

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4673147

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TSUNG-HAN YANG	08/31/2017
ANAND CHANDRASHEKAR	08/11/2017
JASMINE LIN	08/11/2017
DEQI WANG	08/11/2017
GANG LIU	08/29/2017
MICHAL DANEK	08/30/2017
SIEW NEO	08/11/2017
RECEIVING PARTY DATA	
Name:	Novellus Systems, Inc.
Street Address:	4650 Cushing Parkway
City:	FREMONT
State/Country:	CALIFORNIA
Postal Code:	94538
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15640940
CORRESPONDENCE DATA	
Fax Number:	(510)663-0920
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</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:	NOVLP468AX1/4257-1US
NAME OF SUBMITTER:	LATONIA ERVIN
SIGNATURE:	/Latonia Ervin/
DATE SIGNED:	11/03/2017

Total Attachments: 4

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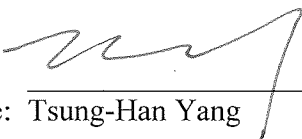
ASSIGNMENT OF PATENT APPLICATION

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: TUNGSTEN FEATURE FILL WITH NUCLEATION INHIBITION (Atty. Docket No. NOVLP468AX1/4257-1US), (1) for which I have executed a U.S. patent application; the same having been filed on July 3, 2017 as Application No. 15/640,940;

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, including the right to claim priority, in the above-referenced application including any and all improvements and inventions disclosed therein, and in U.S. and foreign applications based upon, and U.S. and foreign patents 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.

Signed on the date indicated beside my signature.

1) Signature: 
 Typed Name: Tsung-Han Yang

Date: 08/31/2017

2) Signature: _____
 Typed Name: Anand Chandrashekar

Date: _____

ASSIGNMENT OF PATENT APPLICATION


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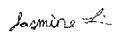
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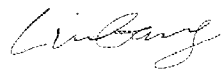
Signed on the date indicated beside my signature.

1) Signature: _____ Date: _____
 Typed Name: Tsung-Han Yang

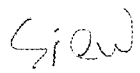
2) Signature:  _____ Date: 8/11/2017
 Typed Name: Anand Chandrashekar

3) Signature:  Date: 8/11/2017
Typed Name: Jasmine Lin

4) Signature:  Date: 8/11/2017
Typed Name: Deqi Wang

5) Signature:  Date: 8/29/2017
Typed Name: Gang Liu


6) Signature: _____ Date: _____
Typed Name: Michal Danek

7) Signature:  Date: 8/11/2017
Typed Name: Siew Neo

3) Signature: _____ Date: _____
Typed Name: Jasmine Lin

4) Signature: _____ Date: _____
Typed Name: Deqi Wang

5) Signature: _____ Date: _____
Typed Name: Gang Liu

6) Signature:  _____ Date: 8/30/2017
Typed Name: Michal Danek

7) Signature: _____ Date: _____
Typed Name: Siew Neo