502062727 09/14/2012

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Christopher Gage	06/13/2008
Lee Peng Chua	06/02/2008

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

Prop	erty Type	Number
Application Nur	mber:	12140196

CORRESPONDENCE DATA

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 5106631100

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 lervin@wavsip.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

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via US Mail.

Correspondent Name: Denise Bergin/WAVS LLP

Address Line 1: P.O. Box 70250

Address Line 4: Oakland, CALIFORNIA 94612-0250

ATTORNEY DOCKET NUMBER:	NOVLP232/NVLS-3325

NAME OF SUBMITTER: Denise Bergin

Total Attachments: 3

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PATENT

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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:

TRANSFERRING HEAT IN LOADLOCKS

(Atty. Docket No. NOVLP232/NVLS-3325), (check one)
for which I have executed a U.S. patent application on even date herewith. (Accompanying which bears U.S. application No. 12/140,196 . (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.

NOVLP232/NVLS-3325

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1. Inventor Signature:	[m]		Date:	6 13 08
Clark	stopher Gage		,	
State of California)			
County of SANT CLAR	2A)	SS.		
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I certify under PENALTY OF	PERJURY under	the laws of the	e State of Ca	lifornia that the foregoing
paragraph is true and correct.				
WITNESS my hand and office	ial seal.	:		JAN K. ROGERS Commission # 1598855 Notary Public - California
rear en les	Paciens	1	M	Santa Clara County y Comm. Expires Aug 1, 2009
Signature K.	-agin			
2. Inventor Signature:		·	_ Date:	
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2. Inventor Signature:		SS.	_ Date:	
2. Inventor Signature: State of Oregon	Lee Peng Chua) before me, g Chua, who provis/are subscribed te in his/her/their a	red to me on the othe within insuthorized capa	e basis of sat strument and city(ies), and	acknowledged to me that that by his/her/their
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1. Inventor Signature:	Date:
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I certify under PENALTY OF PERJURY under the paragraph is true and correct.	laws of the State of California that the foregoing
WITNESS my hand and official seal.	
Signature	-
2. Inventor Signature: Lee Peng Chua	Date: 6/2/08
State of Oregon)	
County of Washington	SS.
on <u>1228</u> personally appeared <u>Lee Peng Chua</u> , who proved to the person(s) whose name(s) is/are subscribed to the he/she/they executed the same in his/her/their authorignature(s) on the instrument the person(s), or the executed the instrument.	o me on the basis of satisfactory evidence to be within instrument and acknowledged to me that rized capacity(ies), and that by his/her/their
I certify under PENALTY OF PERJURY under the paragraph is true and correct.	laws of the State of Oregon that the foregoing
WITNESS my hand and official seal.	
Signature Jaura Thriston	OFFICIAL SEAL LAURA L JOHNSON NOTARY PUBLIC - OREGON COMMISSION NO. 408918 MY COMMISSION EXPIRES AUG. 18, 2010

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RECORDED: 09/14/2012