

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5075055

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
NAGRAJ SHANKAR	05/28/2018
JEFFREY D. WOMACK	07/25/2018
MELIHA GOZDE RAINVILLE	05/16/2018
EMILE C. DRAPER	05/29/2018
PANKAJ G. RAMNANI	05/29/2018
PENGYI ZHANG	05/16/2018
FENG BI	05/18/2018
ELHAM MOHIMI	05/29/2018
KAPU SIRISH REDDY	07/30/2018
RECEIVING PARTY DATA	
Name:	LAM RESEARCH CORPORATION
Street Address:	4650 CUSHING PARKWAY
City:	FREMONT
State/Country:	CALIFORNIA
Postal Code:	94538
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15982913
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:	5106631100
Email:	jmorrison@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:	LAMRP388
NAME OF SUBMITTER:	CHRISTIAN D. SCHOLZ

SIGNATURE:	/Christian Scholz/
DATE SIGNED:	07/31/2018
Total Attachments: 7 source=9032-1US_LAMRP388_Executed_Assignment#page1.tif source=9032-1US_LAMRP388_Executed_Assignment#page2.tif source=9032-1US_LAMRP388_Executed_Assignment#page3.tif source=9032-1US_LAMRP388_Executed_Assignment#page4.tif source=9032-1US_LAMRP388_Executed_Assignment#page5.tif source=9032-1US_LAMRP388_Executed_Assignment#page6.tif source=9032-1US_LAMRP388_Executed_Assignment#page7.tif	

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 SHOWERHEAD WITH AIR-GAPPED PLENUMS AND OVERHEAD ISOLATION GAS DISTRIBUTOR (Atty. Docket No. LAMRP388/9032-1US), and

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

AND/OR

(2) the same having been filed on (May 17, 2018) as Application No. (15/982,913);

OR

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

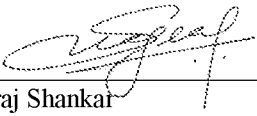
in connection with which I hereby authorize and request the assignee's attorneys associated with Customer Number 83422 to insert within the foregoing parentheses the filing date and/or Application No. of said application when known.

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 **Lam Research Corporation**, a Delaware 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:  _____ Date: 05/28/2018
Typed Name: Nagraj Shankar
- 2) Signature: _____ Date: _____
Typed Name: Jeffrey D. Womack
- 3) Signature: _____ Date: _____
Typed Name: Meliha Gozde Rainville
- 4) Signature: _____ Date: _____
Typed Name: Emile C. Draper
- 5) Signature: _____ Date: _____
Typed Name: Pankaj G. Ramnani
- 6) Signature: _____ Date: _____
Typed Name: Feng Bi
- 7) Signature: _____ Date: _____
Typed Name: Pengyi Zhang
- 8) Signature: _____ Date: _____
Typed Name: Elham Mohimi
- 9) Signature: _____ Date: _____
Typed Name: Kapu Sirish Reddy

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Signed on the date indicated beside my signature.

- 1) Signature: _____ Date: _____
Typed Name: Nagraj Shankar

- 2) Signature:  _____ Date: 7/25/18
Typed Name: Jeffrey D. Womack

- 3) Signature: _____ Date: _____
Typed Name: Meliha Gozde Rainville

- 4) Signature: _____ Date: _____
Typed Name: Emile C. Draper

- 5) Signature: _____ Date: _____
Typed Name: Pankaj G. Ramnani

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- 8) Signature: _____ Date: _____
Typed Name: Elham Mohimi

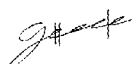
- 9) Signature: _____ Date: _____
Typed Name: Kapu Sirish Reddy


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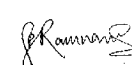
Signed on the date indicated beside my signature.

- 1) Signature: Nagraj Shankar Date: 5/16/2018
Typed Name: Nagraj Shankar

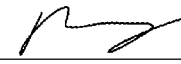
- 2) Signature: _____ Date: _____
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- 4) Signature:  Date: 5/29/2018
Typed Name: Emile C. Draper

- 5) Signature:  Date: 5/29/2018
Typed Name: Pankaj G. Ramnani

- 6) Signature: feng.bi@lamresearch.com Date: 5/16/2018
Typed Name: Feng Bi

- 7) Signature:  Date: 5/16/2018
Typed Name: Pengyi Zhang

- 8) Signature: _____ Date: _____
Typed Name: Elham Mohimi

- 9) Signature: _____ Date: _____
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Typed Name: Emile C. Draper

5) Signature: _____ Date: _____
Typed Name: Pankaj G. Ramnani

6) Signature: Feng Bi Date: 05/18/2018.
Typed Name: Feng Bi

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- 6) Signature: _____ Date: _____
Typed Name: Feng Bi

- 7) Signature: _____ Date: _____
Typed Name: Pengyi Zhang

- 8) Signature:  _____ Date: 05, 29, 18
Typed Name: Elham Mohimi

- 9) Signature: _____ Date: _____
Typed Name: Kapu Sirish Reddy

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Signed on the date indicated beside my signature.

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| 6) | Signature: _____
Typed Name: Feng Bi | Date: _____ |
| 7) | Signature: _____
Typed Name: Pengyi Zhang | Date: _____ |
| 8) | Signature: _____
Typed Name: Elham Mohimi | Date: _____ |
| 9) | Signature: <u>K. Srinivas Reddy</u>
Typed Name: Kapu Srinivas Reddy | Date: 07/30/2018 |