503725508 03/07/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHRISTOPHER WILLIAM BURKHART	01/15/2016
ANDREW C. LEE	01/15/2016

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:	14997419

CORRESPONDENCE DATA

Fax Number: (510)663-0920

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.

Phone: 5106631100

Email: sarmstrong@wavsip.com

Correspondent Name: WEAVER AUSTIN VILLENEUVE & SAMPSON LLP

Address Line 1: P.O. BOX 70250

Address Line 4: OAKLAND, CALIFORNIA 94612

ATTORNEY DOCKET NUMBER:	LAMRP239
NAME OF SUBMITTER:	CHRISTIAN D. SCHOLZ
SIGNATURE:	/Christian D. Scholz/
DATE SIGNED:	03/07/2016

Total Attachments: 4

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> **PATENT** REEL: 037914 FRAME: 0183

503725508

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

claim priority) granted upon, the above-referenced application.

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: ADDITIVELY MANUFACURED GAS DISTRIBUTION MANIFOLD (Atty. Docket No. LAMRP239/3802-1US), and

AND/OR
(2) the same having been filed on (<u>January 15, 2016</u>) as Application No. (<u>14/997,419</u>);
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

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.

disclosed therein, and in applications based upon, and patents (including foreign patents and the right to

interest in the above-referenced application including any and all improvements and inventions

- 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.

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PATENT REEL: 037914 FRAME: 0184 Attorney Docket No. LAMRP239/3802-1US

Typed Name: Andrew C. Lee

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:	Christopher William Burkhart	Date: 15 Jan 2-016	
2)	Signature:		Date:	

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

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: ADDITIVELY MANUFACURED GAS DISTRIBUTION MANIFOLD (Atty. Docket No. LAMRP239/3802-1US), and

AND/OR

(2) the same having been filed on (January 15, 2016) as Application No. (14/997,419);

OR

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

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1) Sell, assign and transfer to Lam Research Corporation, a Delaware corporation having a place

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

1

PATENT REEL: 037914 FRAME: 0186 Attorney Docket No. LAMRP239/3802-1US

5)	Warrant and represent that I have not entered, and will not enter into any assignment, contract, or
underst	anding that conflicts with this assignment.

Signed on the date indicated beside my signature.

1)	Signature:		Date:	
	Typed Name:	Christopher William Burkhart		
2)	Signature:	Flord Lee	Date:	1/15/2016
	Typed Name:	Andrew C. Lee		

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