

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4868566

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SUDHAKAR GOPALAKRISHNAN	03/09/2018
PETER REIMER	03/15/2018
JOHN HARUFF	03/12/2018
DENNIS SMITH	03/09/2018
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:	15917528
CORRESPONDENCE DATA	
Fax Number:	(408)749-6901
<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:	(408)774-6917
Email:	epiphany@mpiplaw.com
Correspondent Name:	MOSES XIE
Address Line 1:	710 LAKEWAY DRIVE
Address Line 2:	SUITE 200
Address Line 4:	SUNNYVALE, CALIFORNIA 94085
ATTORNEY DOCKET NUMBER:	LAM2P996 / 9040-1US
NAME OF SUBMITTER:	MOSES XIE
SIGNATURE:	/Moses Xie/
DATE SIGNED:	03/15/2018
Total Attachments: 3	
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source=LAM2P996_InvntrsSignedAssignments_Efile#page2.tif	

ASSIGNMENT OF PATENT APPLICATION

Whereas we the undersigned inventors have invented certain new and useful improvements as set forth in the patent application entitled:

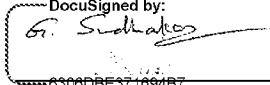
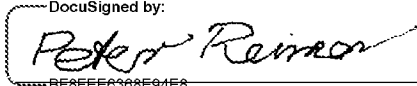
Mass Flow Controller for Substrate Processing

(Atty. Docket No. LAM2P996 / 9040-1US) for which we have executed an application for a United States Letters Patent.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we the undersigned inventors 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 U.S.** (hereinafter referred to as "ASSIGNEE"), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in 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(s), continuation(s), substitutes(s) or reissue(s) 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 and 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 inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the dates indicated beside our signatures.

- | | | |
|----|---|-----------------|
| 1) | Signature: 
Typed Name: Sudhakar Gopalakrishnan | Date: 3/9/2018 |
| 2) | Signature: 
Typed Name: Peter Reimer | Date: 3/15/2018 |
| 3) | Signature: _____
Typed Name: John Haruff | Date: _____ |
| 4) | Signature: _____
Typed Name: Dennis Smith | Date: _____ |

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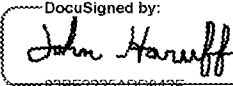
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Typed Name: Sudhakar Gopalakrishnan | Date: _____ |
| 2) | Signature: _____
Typed Name: Peter Reimer | Date: _____ |
| 3) | <div style="border: 1px solid black; padding: 2px; display: inline-block;"> <small>DocuSigned by:</small>
 
 <small>838E2225A0C642F...</small> </div>
Signature: _____
Typed Name: John Haruff | Date: 3/12/2018 |
| 4) | Signature: _____
Typed Name: Dennis Smith | Date: _____ |

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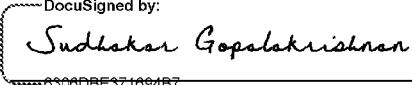
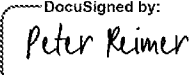
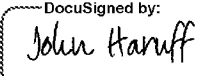
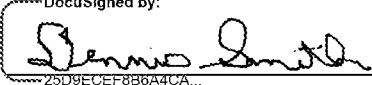
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| 1) | Signature: 
<small>DocuSigned by: 63C0DBE371094B7...</small>
Typed Name: Sudhakar Gopalakrishnan | Date: <u>3/9/2018</u> |
| 2) | Signature: 
<small>DocuSigned by: BF8FEE6388E84E6...</small>
Typed Name: Peter Reimer | Date: <u>3/9/2018</u> |
| 3) | Signature: 
<small>DocuSigned by: 63BE2225ADD842F...</small>
Typed Name: John Haruff | Date: <u>3/9/2018</u> |
| 4) | Signature: 
<small>DocuSigned by: 25D9ECF8B8A4CA...</small>
Typed Name: Dennis Smith | Date: <u>3/9/2018</u> |