

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>BRADFORD J. LYNDAKER</td> <td>01/08/2014</td> </tr> <tr> <td>JOHN C. VALCORE JR.</td> <td>01/25/2014</td> </tr> <tr> <td>ALEXEI MARAKHTANOV</td> <td>01/09/2014</td> </tr> <tr> <td>SEYED JAFAR JAFARIAN-TEHRANI</td> <td>01/08/2014</td> </tr> <tr> <td>ZHIGANG CHEN</td> <td>01/09/2014</td> </tr> </tbody> </table>		Name	Execution Date	BRADFORD J. LYNDAKER	01/08/2014	JOHN C. VALCORE JR.	01/25/2014	ALEXEI MARAKHTANOV	01/09/2014	SEYED JAFAR JAFARIAN-TEHRANI	01/08/2014	ZHIGANG CHEN	01/09/2014
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SEYED JAFAR JAFARIAN-TEHRANI	01/08/2014												
ZHIGANG CHEN	01/09/2014												
RECEIVING PARTY DATA													
Name:	LAM RESEARCH CORPORATION												
Street Address:	4650 CUSHING PARKWAY												
City:	FREMONT												
State/Country:	CALIFORNIA												
Postal Code:	94538												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14152729</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14152729								
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Application Number:	14152729												
CORRESPONDENCE DATA													
Fax Number:	(408)749-6901												
Phone:	(408) 774-6911												
Email:	kathi@mpiplaw.com												
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>													
Correspondent Name:	NISHITKUMAR V. PATEL												
Address Line 1:	710 LAKEWAY DRIVE												
Address Line 2:	SUITE 200												
Address Line 4:	SUNNYVALE, CALIFORNIA 94085												
ATTORNEY DOCKET NUMBER:	LAM2P787												
NAME OF SUBMITTER:	NISHITKUMAR V. PATEL												

PATENT

Signature:	/Nishikumar V. Patel/
Date:	01/27/2014
Total Attachments: 3 source=LAM2P787_Efiled_Assigns#page1.tif source=LAM2P787_Efiled_Assigns#page2.tif source=LAM2P787_Efiled_Assigns#page3.tif	

ASSIGNMENT OF PATENT APPLICATION
(Accompanying Application)

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

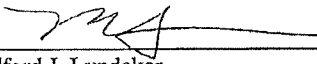
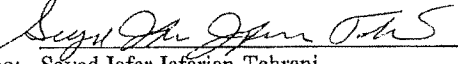

**CONTROL OF ETCH RATE USING MODELING, FEEDBACK
AND IMPEDANCE MATCH**

(Atty. Docket No. LAM2P787/3278) 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: <u></u>
Typed Name: Bradford J. Lyndaker | Date: <u>01/08/14</u> |
| 2) | Signature: _____
Typed Name: John C. Valcore, Jr. | Date: _____ |
| 3) | Signature: _____
Typed Name: Alexei Marakhtanov | Date: _____ |
| 4) | Signature: <u></u>
Typed Name: Seyed Jafar Jafarian-Tehrani | Date: <u>1/8/2014</u> |
| 5) | Signature: <u></u>
Typed Name: Zhigang Chen | Date: <u>01/09/2014</u> |

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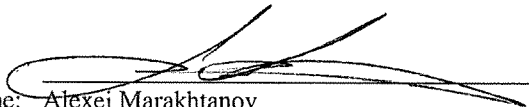
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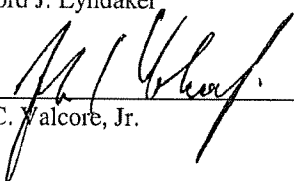
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(Atty. Docket No. LAM2P787/3278) for which we have executed Application No. 14/152,729, filed on January 10, 2014 for a United States Letters Patent.

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.
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