

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Qinghua ZHONG</td> <td>01/26/2012</td> </tr> <tr> <td>Yoshie KIMURA</td> <td>01/26/2012</td> </tr> <tr> <td>Tae Won KIM</td> <td>01/27/2012</td> </tr> <tr> <td>Qian FU</td> <td>01/26/2012</td> </tr> <tr> <td>Gladys LO</td> <td>01/26/2012</td> </tr> <tr> <td>Ganesh UPADHYAYA</td> <td>01/27/2012</td> </tr> <tr> <td>Yoko YAMAGUCHI</td> <td>01/27/2012</td> </tr> </tbody> </table>		Name	Execution Date	Qinghua ZHONG	01/26/2012	Yoshie KIMURA	01/26/2012	Tae Won KIM	01/27/2012	Qian FU	01/26/2012	Gladys LO	01/26/2012	Ganesh UPADHYAYA	01/27/2012	Yoko YAMAGUCHI	01/27/2012
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Yoko YAMAGUCHI	01/27/2012																
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>13329035</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13329035												
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Application Number:	13329035																
CORRESPONDENCE DATA																	
Fax Number:	(408)255-8002																
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>																	
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ATTORNEY DOCKET NUMBER:	LAM1P321/P2300																

CH \$40.00 13329035

NAME OF SUBMITTER:

Michael Lee

Total Attachments: 2

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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:

SILICON NITRIDE DRY TRIM WITHOUT TOP PULLDOWN

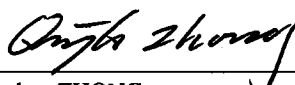
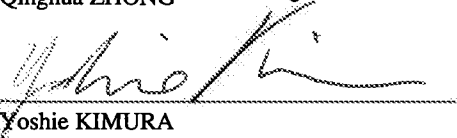
(Atty. Docket No. LAM1P321/P2300), (check one)

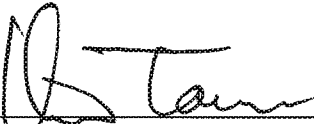

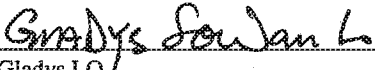


- for which I have executed a U.S. patent application on even date herewith. (Accompanying)
 which bears U.S. application No. 13/329,035 . (Not accompanying)
 which is a U.S. provisional application. (Accompanying)

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 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 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.

- | | | |
|----|---|-------------------------|
| 1) | Signature: <u></u> | Date: <u>11/26/2012</u> |
| | Typed Name: Qinghua ZHONG | |
| 2) | Signature: <u></u> | Date: <u>1/26/2012</u> |
| | Typed Name: Yoshie KIMURA | |

- 3) Signature:  Date: 1/27/2012
 Typed Name: Tae Won KIM
- 4) Signature:  Date: 1/26/2012
 Typed Name: Qian FU
- 5) Signature:  Date: 1/26/2012
 Typed Name: Gladys LO
- 6) Signature:  Date: 1/27/2012
 Typed Name: Ganesh UPADHYAYA
- 7) Signature:  Date: 1/27/2012
 Typed Name: Yoko YAMAGUCHI

If signed outside the United States of America, have two witnesses who also sign below:

- 1) Signature: _____ Date: _____
 Printed Name: _____
- 2) Signature: _____ Date: _____
 Printed Name: _____