

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Juan Valdivia</td> <td>01/07/2010</td> </tr> <tr> <td>Shibu Gangadharan</td> <td>01/06/2010</td> </tr> <tr> <td>Dave March</td> <td>01/04/2010</td> </tr> <tr> <td>Charles Potter</td> <td>01/04/2010</td> </tr> </tbody> </table>		Name	Execution Date	Juan Valdivia	01/07/2010	Shibu Gangadharan	01/06/2010	Dave March	01/04/2010	Charles Potter	01/04/2010
Name	Execution Date										
Juan Valdivia	01/07/2010										
Shibu Gangadharan	01/06/2010										
Dave March	01/04/2010										
Charles Potter	01/04/2010										
RECEIVING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Lam Research Corporation</td> </tr> <tr> <td>Street Address:</td> <td>4650 Cushing Parkway</td> </tr> <tr> <td>City:</td> <td>Fremont</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>94538</td> </tr> </table>		Name:	Lam Research Corporation	Street Address:	4650 Cushing Parkway	City:	Fremont	State/Country:	CALIFORNIA	Postal Code:	94538
Name:	Lam Research Corporation										
Street Address:	4650 Cushing Parkway										
City:	Fremont										
State/Country:	CALIFORNIA										
Postal Code:	94538										
PROPERTY NUMBERS Total: 1											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12684032</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12684032						
Property Type	Number										
Application Number:	12684032										
CORRESPONDENCE DATA											
Fax Number: (408)255-8002 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 408-255-8001 Email: dwold@beyerlaw.com Correspondent Name: Beyer Law Group LLP Address Line 1: P.O. Box 1687 Address Line 4: Cupertino, CALIFORNIA 95015-1687											
ATTORNEY DOCKET NUMBER:	LAM1P295/P2027										
NAME OF SUBMITTER:	Francis T. Kalinski II										
Total Attachments: 2 source=Assignment#page 1.tif											

CH \$40.00 12684032

501064917

PATENT
REEL: 023779 FRAME: 0592

ASSIGNMENT OF PATENT APPLICATION

Whereas I, an undersigned inventor, have invented certain new and useful improvements as set forth in the patent application entitled:

ASPECT RATIO ADJUSTMENT OF MASK PATTERN USING TRIMMING TO ALTER GEOMETRY OF PHOTORESIST FEATURES

(Atty. Docket No. LAM1P295/P2027), (check one)

- ☐ for which I have executed a U.S. patent application on even date herewith. (Accompanying)
☒ which bears U.S. application No. 12/684,032. (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: _____

Typed Name: _____

Juan Valdivia

Date: _____

01/07/2010

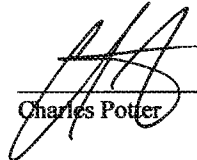
2) Signature: _____

Typed Name: _____

Shibu Gangadharan

Date: _____

01/06/2010

- 3) Signature:  Date: 1/4/10
Typed Name: Dave March
- 4) Signature:  Date: 1/4/2010
Typed Name: Charles Potter

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: _____