

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Iqbal A. Shareef</td> <td>11/08/2007</td> </tr> <tr> <td>James V. Tietz</td> <td>11/08/2007</td> </tr> <tr> <td>Vernon Wong</td> <td>11/08/2007</td> </tr> <tr> <td>Richard J. Meinecke</td> <td>11/08/2007</td> </tr> </tbody> </table>		Name	Execution Date	Iqbal A. Shareef	11/08/2007	James V. Tietz	11/08/2007	Vernon Wong	11/08/2007	Richard J. Meinecke	11/08/2007
Name	Execution Date										
Iqbal A. Shareef	11/08/2007										
James V. Tietz	11/08/2007										
Vernon Wong	11/08/2007										
Richard J. Meinecke	11/08/2007										
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>13436705</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13436705						
Property Type	Number										
Application Number:	13436705										
CORRESPONDENCE DATA											
Fax Number:	(408)213-9541										
Phone:	4082139540										
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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>											
Correspondent Name:	IPSG, P.C.										
Address Line 1:	P.O. Box 700640										
Address Line 4:	San Jose, CALIFORNIA 95170										
ATTORNEY DOCKET NUMBER:	P1590D/LMRX-P121C2										
NAME OF SUBMITTER:	Joseph A. Nguyen, Reg. No. 37,899										
Total Attachments: 1 source=LMRX-P121C2-US-20120711-TP-SGND_ASSGNMNT_AS_FILED_P1590D#page1.tif											

OP \$40.00 13436705

ASSIGNMENT OF PATENT APPLICATION

WHEREAS I/we the undersigned inventor(s) have invented certain new and useful improvements as set for in the patent application entitled:

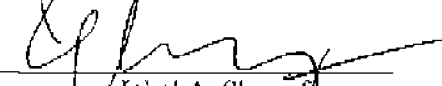
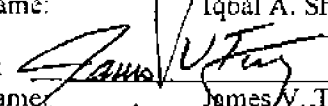
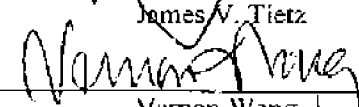

METHODS FOR PERFORMING ACTUAL FLOW VERIFICATION

(Atty. Docket No. P1590/LMRX-P121) for which I (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, I/We the undersigned inventor(s) hereby:

- 1) Sell(s), assign(s) and transfer(s) to **Lam Research Corporation**, a Delaware corporation, doing business at 4650 Cushing Parkway, Fremont, California 94538 (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), continuation(s)-in-part, 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 I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.
- 6) Authorize ASSIGNEE'S legal representative to insert further identification necessary or desirable for recordation of this document.

Signed on the date(s) indicated beside my (our) signature(s).

1)	Date: <u>11/8/07</u>	Signature: 
		Typed Name: <u>Iqbal A. Shareef</u>
2)	Date: <u>11/8/07</u>	Signature: 
		Typed Name: <u>James W. Tietz</u>
3)	Date: <u>11-8-07</u>	Signature: 
		Typed Name: <u>Vernon Wong</u>
4)	Date: <u>11/8/07</u>	Signature: 
		Typed Name: <u>Richard J. Meinecke</u>

PATENT