

03-29-2000

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ASSIGNM



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HEET

jc530 U.S. PTO
09/527059
03/16/00

To: Honorable Commissioner of Patents and Trademarks:

Please record the attached original document or copy thereof.

1. Name of conveying party:
 - a) Benjamin W. Mooring

2. Name and address of receiving party:
 - a) Name: Lam Research Corporation
 - b) Address: 4650 Cushing Parkway, Fremont, CA 94538-6516

3. Nature of conveyance

<input checked="" type="checkbox"/>	Assignment	<input type="checkbox"/>	Merger
<input type="checkbox"/>	Security Agreement	<input type="checkbox"/>	Change of Name
<input type="checkbox"/>	Other _____	<input type="checkbox"/>	License Agreement

Execution Date: March 14, 2000

4. Application Number or Patent Number: Not yet assigned

09/527059

The title of the new application is: METHOD OF AND APPARATUS FOR DETERMINING SUBSTRATE OFFSET USING OPTIMIZATION TECHNIQUES

5. Please send all correspondence concerning this document to:

03/27/2000 MPEDPLES 00000024 09527059
04 FC:581

40.00 DP

Albert S. Penilla
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710 Lakeway Drive, Suite 170
Sunnyvale, CA 94086
Tel. No. (408) 749-6900
Fax No.: (408) 749-6901

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

<input checked="" type="checkbox"/>	Enclosed
<input checked="" type="checkbox"/>	Authorized to be charged to Deposit Account No. 50-0805 (Order No. <u>LAM2P132A</u>)

8. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Date: March 16, 2000

Albert S. Penilla, Esq.
Registration No. 39,487

ASSIGNMENT OF PATENT APPLICATION

(Accompanying Application)

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

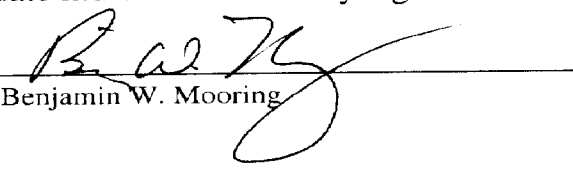
METHOD OF AND APPARATUS FOR DETERMINING SUBSTRATE OFFSET USING OPTIMIZATION TECHNIQUES

(Atty. Docket No: LAM2P132A) for which I 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 the 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 94538-6516, (hereinafter referred to as "ASSIGNEE"), the entire right title and interest in any and all improvements and inventions disclosed in, applications based upon, and Patents (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 divisions, continuations, substitutes or reissues 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, 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.

Signed on the date indicated beside my signature.

1) Signature: 
Typed Name: Benjamin W. Mooring

Date: 3/14/00

Attorney Docket No. LAM2P132A

RECORDED: 03/16/2000

PATENT
REEL: 010633 FRAME: 0943