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To: Honorable Commission.....

jc979 U.S. PTO  
09/812535  
03/19/01

Please record the attached original document or copy thereof.

1. Name of conveying party:  
a) Sundar Amartur

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

3. Nature of conveyance  
☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_ ☐ License Agreement

Execution Date: March 16, 2001

4. Application Number(s) or Patent Number(s): Not yet assigned

The title of the (new) application is: IN-SITU DETECTION OF THIN-METAL  
INTERFACE USING OPTICAL INTERFERENCE

09/812535

5. Please send all correspondence concerning this document to:

**Joe A. Brock, II, Esq.**  
MARTINE PENILLA & KIM, LLP  
710 Lakeway Drive, Suite 170  
Sunnyvale, CA 94086  
**Customer Number 25920**  
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

- ☒ Enclosed  
☒ Any deficiency is authorized to be charged to Deposit Account No. 50-0805  
(Order No. LAM2P253)

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 19, 2001

Joe A. Brock, II, Esq.  
Registration No. 46,021

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Attorney Docket No. LAM2P253

(Revised 01/96)

**PATENT**  
**REEL: 011626 FRAME: 0561**

# 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:

## IN-SITU DETECTION OF THIN-METAL INTERFACE USING OPTICAL INTERFERENCE

(Atty. Docket No: LAM2P253) 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, (hereinafter referred to as "ASSIGNEE"), the entire right title and interest in any and all improvements and inventions disclosed in, application based upon, and Patent (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, continuation, substitute 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 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: Sundar Amartur Date: 16 March, 2001  
Typed Name: Sundar Amartur

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of )  
Sundar AMARTUR ) Examiner: Unassigned  
Application No. [To be assigned] ) Art Unit: Unassigned  
Filed: March 19, 2001 ) Docket No. LAM2P253  
For: IN-SITU DETECTION OF THIN-METAL ) Date: March 19, 2001  
INTERFACE USING OPTICAL INTERFERENCE )

**CERTIFICATE OF EXPRESS MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service on March 19, 2001 in an envelope as "Express Mail Post Office to Addressee" service under 37 CFR § 1.10, Mailing Label Number **EL815445325US**, addressed to the Commissioner for Patents, Washington, DC 20231.

Signed: \_\_\_\_\_

Neely J. Weldy

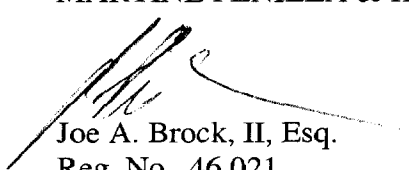
**REQUEST AND CERTIFICATION UNDER 35 U.S.C. § 122(b)(2)(B)(i)**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. § 122(b).

Respectfully submitted,  
MARTINE PENILLA & KIM, LLP

  
Joe A. Brock, II, Esq.  
Reg. No. 46,021

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