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ASSIGNMENT RECORDATION COVER SH
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10-02-2000



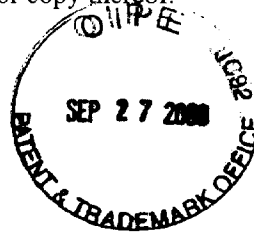
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To: Honorable Commissioner of Patents and Trademarks:

Please record the attached original document(s) or copy thereof.

1. Name of conveying party(ies)

- a) Tuqiang Ni
- b) Andrew Lui
- c) Chung-Ho Huang
- d) Weinan Jiang



2. Name and address of receiving party(ies):

- a) Name: Lam Research Corporation
- Address: 4650 Cushing Parkway, Building CA-1
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: May 31 and June 1, 2000

4. Application Number(s) or Patent Number(s): 09/586,530

The title of the (new) application is:

ETCH ENDPOINT DETECTION

5. Please send all correspondence concerning this (these) documents to:

HICKMAN COLEMAN & HUGHES, LLP
P.O. Box 52037
Palo Alto, CA 94303-0746
Tel. No.: (650) 470-7430
Fax No.: (650) 470-7440

6. Total number of applications and patents involved: 1

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

- ☒ Enclosed
- ☐ Authorized to be charged to Deposit Account No. 50-0384
(Order No. LAM1P111)

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: September 22, 2000

Robert D. Hayden
Registration No. 42,645

09/28/2000 GTEFFERA 00000073 09586530

03 FC:581

40.00 DP

Attorney Docket No. LAM1P111/P0636

(Revised 01/96)

PATENT
REEL: 011114 FRAME: 0684

ASSIGNMENT OF PATENT APPLICATION

(Not Accompanying Application)



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

ETCH ENDPOINT DETECTION

for which I/we have executed an application for a Letters Patent which was filed in the U.S. Patent and Trademark Office on May 31, 2000, and which bears the Application No. _____.

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 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(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), 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.

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

1) Signature: Tuqiang Ni
Typed Name: Tuqiang Ni

Date: 5/31/00

2) Signature: Andrew Lui
Typed Name: Andrew Lui

Date: 6/1/00

3) Signature: Chung-Ho Huang
Typed Name: Chung-Ho Huang

Date: 6/1/00

4) Signature: Weinan Jiang
Typed Name: Weinan Jiang

Date: 5/31/00

Attorney Docket No.: LAM1P111/P0636