



10-04-1999



ASSIG

101161300 COVER SHEET
-PATENTS ONLY-

To: Honorable Commissioner of Patents and Trademarks:

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

1. Name of conveying party(ies)

- a) John E. Daugherty
- b) Neil Benjamin
- c) Jeff Bogart
- d) Vahid Vahedi
- e) David Cooperberg
- f) Alan Miller
- g) Yoko Yamaguchi

MRD
9-28-99

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

- a) Name: Lam Research Corporation
- Address: 4650 Cushing Parkway
Fremont, CA 94538-6470

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 Dates: 08/24/99, 09/02/99, 09/09/99, 08/13/99, 08/24/99, 08/31/99, 08/09/99, respectively.

4. Application Number(s) or Patent Number(s): 09/345,639

The title of the (new) application is: TECHNIQUES FOR IMPROVING ETCH RATE
UNIFORMITY

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

Customer Number: 022434BEYER & WEAVER, LLP
P.O. Box 61059
Palo Alto, CA 94306
Telephone (650) 493-2100
Fax (650) 493-2102

6. Total number of applications and patents involved: 1

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

- ☒ Enclosed
- ☒ Any additional fees are authorized to be charged to Deposit Account No. 50-0388
(Order No. LAM1P112)

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 23, 1999

Ramin Mahboubian
Registration No. P-44,890

10/01/1999 NPR02880 00000009 09345639

04 FC:581

40.00 OP

Attorney Docket No. LAM1P112

(Revised 01/96)

PATENT
REEL: 010275 FRAME: 0126

ASSIGNMENT OF PATENT APPLICATION

(Not Accompanying Application)

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

TECHNIQUES FOR IMPROVING ETCH RATE UNIFORMITY

for which I (we) have executed an application for a United States Letters Patent which was filed in the U.S. Patent and Trademark Office on June 30, 1999, and which bears the Application No. 09/345,639.

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 94538-6470, (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 (our) signature(s).

1)	Signature: _____ Typed Name: John E. Daugherty	Date: _____
2)	Signature: _____ Typed Name: Ncil Benjamin	Date: _____
3)	Signature: _____ Typed Name: Jeff Bogart	Date: _____
4)	Signature: _____ Typed Name: Vahid Vahedi	Date: _____
5)	Signature: _____ Typed Name: David Cooperberg	Date: _____
6)	Signature: _____ Typed Name: Alan Miller	Date: _____

7)

Signature:
Typed Name:

Yoko Yamaguchi
Yoko Yamaguchi

Date: August 7th, 1999

山口葉子

ASSIGNMENT OF PATENT APPLICATION

(Not Accompanying Application)

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

TECHNIQUES FOR IMPROVING ETCH RATE UNIFORMITY

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

1) Signature: John E. Daugherty
Typed Name: John E. Daugherty

Date: 8/24/99

2) Signature: Neil Benjamin
Typed Name: Neil Benjamin

Date: 9/2/99

3) Signature: Jeff Bogart
Typed Name: Jeff Bogart

Date: 9/9/99

4) Signature: Vahid Vahedi
Typed Name: Vahid Vahedi

Date: 8/13/99

5) Signature: David Cooperberg
Typed Name: David Cooperberg

Date: 8/24/99

6) Signature: Alan Miller
Typed Name: Alan Miller

Date: 8/31/99

7)

Signature: _____

Typed Name: _____

Yoko Yamaguchi

Date: _____