

09-13-2002

ASSIGNMEN



102220341

To: Honorable Commissioner of Patents and Trademarks:

Please record the attached original document or copy thereof.

OFFICE OF PUBLIC RECORDS  
2001 SEP 11 AM 11:33  
FINANCE SECTION

1. Name of conveying parties:

- a) Michael Ravkin
- b) John deLarios
- c) Afshin Nickhou
- d) Katrina Mikhaylichenko
- e) James P. Garcia

*09/11/02*

2. Name and address of receiving party:

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

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: August 23, 2002

4. Application Number: 10/186,908

The title of the new application is: **SUBSTRATE PROCESSING USING A FLUID RE-CIRCULATION SYSTEM IN A WAFER SCRUBBING SYSTEM**

5. Please send all correspondence concerning this document to:

**Rick von Wohld, Esq.**  
 MARTINE & PENILLA, LLP  
 710 Lakeway Drive, Suite 170  
 Sunnyvale, CA 94085  
**Customer Number 25920**  
 Tel. No. (408) 749-6900  
 Fax No.: (408) 749-6901

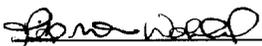
6. Total number of applications and patents involved: 1

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

- Enclosed
- Commissioner is authorized to charge any deficiencies to Deposit Account No. 50-0805 (Order No. LAM2P341)

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 5, 2002

  
 Rick von Wohld, Esq.  
 Reg. No. 48,018

09/12/2002 DBYRME 00000238 10186908  
 01 FC:581 40.00 DP

Attorney Docket No. LAM2P341

(Revised 01/96)

**PATENT**  
**REEL: 013272 FRAME: 0225**

# ASSIGNMENT OF PATENT APPLICATION

(Accompanying Application)

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

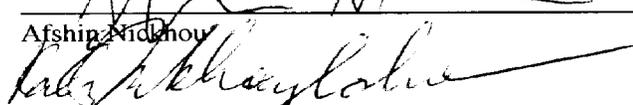
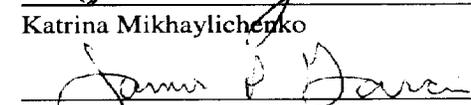
## SUBSTRATE PROCESSING USING A FLUID RE-CIRCULATION SYSTEM IN A WAFER SCRUBBING SYSTEM

for which we have executed a patent application which was filed in the U.S. Patent and Trademark Office on June 28, 2002, and which bears the Application No. 10/186,908.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we the undersigned inventors hereby:

- 1) Sell, assign and transfer to **Lam Research Corporation**, a Delaware corporation having a place of business at 4650 Cushing Parkway, Fremont, California, 94538, U.S. (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 we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the dates indicated beside our signatures.

|    |   |                       |
|----|---|-----------------------|
| 1) | Signature: <u></u> | Date: <u>8/23/02</u>  |
|    | Typed Name: Michael Ravkin  |                       |
| 2) | Signature: <u></u> | Date: <u>8/23/02</u>  |
|    | Typed Name: John deLarios   |                       |
| 3) | Signature: <u></u> | Date: <u>8/23/02</u>  |
|    | Typed Name: Afshin Nidzhanov  |                       |
| 4) | Signature: <u></u> | Date: <u>08/23/02</u> |
|    | Typed Name: Katrina Mikhaylichenko  |                       |
| 5) | Signature: <u></u> | Date: <u>8/23/02</u>  |
|    | Typed Name: James P. Garcia   |                       |