

ASSIG



HEET

102642600

To: Honorable Commissioner of Patents and Trademarks:

Please record the attached original document or copy thereof.

1. Name of conveying parties:

- a) Glenn W. Davis
- b) Carl Woods
- c) John Parks
- d) Fred C. Redeker
- e) Mike Ravkin
- f) Michael L. Orbock

12.20.03

16834 U.S. PTO
10/745219



122203

2. Name and address of receiving party:

Name: Lam Research Corporation
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 Dates:

- a) December 18, 2003
- b) December 19, 2003
- c) December 18, 2003
- d) December 18, 2003
- e) December 19, 2003
- f) December 19, 2003

10745219

4. Application Number: [to be assigned]

The title of the new application is: **EDGE DRY MANIFOLD**

5. Please send all correspondence concerning this document to:

Rick von Wohld
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. LAM2P459)

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: December 22, 2003

Rick von Wohld

Rick von Wohld
Reg. No. 48,018

01/05/2004 NBIZINES 00000005 10745219
04 FC:8021 40.00 OP

Attorney Docket No. LAM2P459

(Revised 01/96)

ASSIGNMENT OF PATENT APPLICATION
(Accompanying Application)

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

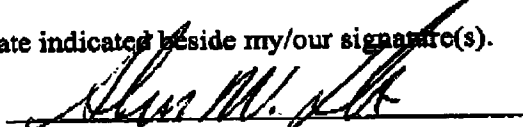

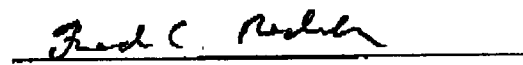


EDGE DRY MANIFOLD

(Atty. Docket No. LAM2P459) for which I/we have executed an application for a United States Letters Patent.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned inventor(s) 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(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 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/we 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/our signature(s).

- | | | |
|----|---|-----------------------|
| 1) | Signature: <u></u> | Date: <u>12/18/03</u> |
| | Typed Name: Glenn W. Davis | |
| 2) | Signature: _____ | Date: _____ |
| | Typed Name: Carl Woods | |
| 3) | Signature: <u></u> | Date: <u>12-18-03</u> |
| | Typed Name: John Parks | |
| 4) | Signature: <u></u> | Date: <u>12-18-03</u> |
| | Typed Name: Fred C. Redeker | |
| 5) | Signature: <u></u> | Date: <u>12/19/03</u> |
| | Typed Name: Mike Ravkin | |
| 6) | Signature: <u></u> | Date: <u>12/19/03</u> |
| | Typed Name: Michael L. Orbock | |

Attorney Docket No. LAM2P459

ASSIGNMENT OF PATENT APPLICATION
(Accompanying Application)

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EDGE DRY MANIFOLD

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

- | | | |
|----|--|----------------|
| 1) | Signature: _____
Typed Name: Glenn W. Davis | Date: _____ |
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| 3) | Signature: _____
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Attorney Docket No. LAM2P459