

PATENTS ONLY

11-29-2004

PATENTS ONLY

TO THIS

TENTS

Please record

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copy thereof.

1. Name of Party(ies) conveying an interest:

Robert Charatan

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

2. Name and Address of Party(ies) receiving an interest:

Name: Lam Research Corporation  
Internal Address:  
Street Address: 4650 Cushing Parkway  
City: Fremont  
State/Zip: California 94538

Additional name(s) and addresses attached?

☐ Yes ☒ No

3. Description of the interest conveyed:

☒ Assignment ☐ Change of Name Other:  
☐ Security Agreement ☐ Merger

Execution Date: November 16, 2004

4. Application number(s) or patent number(s).

5.

If this document is being filed together with a new application, the execution date of the application is:

November 16, 2004

Date

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

BRINKS HOFER GILSON & LIONE  
P.O. BOX 10395  
CHICAGO, IL 60610  
(312)321-4200

6. Number of applications and patents involved: 17. Total fee (37 CFR 3.41) \$ 40.00

☒ Enclosed  
☐ Authorized to be charged to Deposit Account No. 23-1925  
8. ☒ Please charge any deficiencies in fee or credit any overpayment to Deposit Account No. 23-1925.

DO NOT USE THIS SPACE

9. Statement and signature.

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.

Benjamin B. Cotton

Name of Person Signing

Signature

November 18, 2004

Date

Total number of pages including cover sheet, attachments, and document: 3

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PATENT  
REEL: 016015 FRAME: 0521

**ASSIGNMENT**

WHEREAS, Robert Charatan, hereinafter called the "Assignor", has made the invention described in the United States patent application entitled METHOD AND APPARATUS FOR MINIMIZING AGGLOMERATE PARTICLE SIZE IN A POLISHING FLUID, executed by Assignor on the same date as this Assignment;

WHEREAS, Lam Research Corporation, a corporation organized and existing under the laws of the State of Delaware, having a place of business at 4650 Cushing Parkway, Fremont, California 94538, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, for valuable and legally sufficient consideration, the receipt of which by the Assignor from the Assignee is hereby acknowledged, the Assignor has sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignor hereby covenants and agrees, for both the Assignor and the Assignor's legal representatives, that the Assignor will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignor will execute and deliver to the

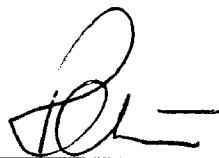
Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignor has executed this agreement.

DATED:

16 November 2004

A handwritten signature in black ink, appearing to be 'R. Charatan', written over a horizontal line.

Robert Charatan