

09-04-2003



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CORDATION COVER SHEET
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21906 U.S. PTO
10/648953



To: Honorable Commissioner of Patents and Trademarks:

8-26-03

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

1. Name of conveying party(ies)

- | | | | |
|----|----------------|----|--------------------|
| a) | Sean S. Kang | e) | S. M. Reza Sadjadi |
| b) | Sangheon Lee | f) | Gan Ming Zhao |
| c) | Wan-Lin Chen | | |
| d) | Eric A. Hudson | | |

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

- a) 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 Date: 8/25/03 (Kang); 8/25/03 (Lee); 8/25/03 (Chen); 8/25/03 (Hudson);
8/25/03 (Sadjadi); 8/26/03 (Zhao)

10648953

4. Application Number(s) or Patent Number(s): Filed Herewith

The title of the (new) application is: **REDUCTION OF FEATURE CRITICAL DIMENSIONS**

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

Beyer Weaver & Thomas, LLP
P.O. Box 778
Berkeley, CA 94704-0778
Ph: (650) 961-8300
Fax: (650) 961-8301
(Customer Number: 022434)

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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. LAM1P177)

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: August 26, 2003

Michael Lee
Registration No. 31,846

Attorney Docket No. LAM1P177/P1139

(Revised 12/01)

PATENT
REEL: 014439 FRAME: 0649

ASSIGNMENT OF PATENT APPLICATION

Whereas I, an undersigned inventor, have invented certain new and useful improvements as set forth in the patent application entitled:

REDUCTION OF FEATURE CRITICAL DIMENSIONS

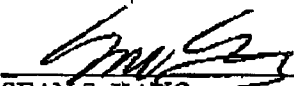

(Atty. Docket No. LAM1P177/P1139),

- ☒ for which I have executed a U.S. patent application on even date herewith.
☐ which bears U.S. application No. _____
☐ which is a U.S. provisional application.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, an undersigned inventor, 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 ("ASSIGNEE"), the entire right, title and interest in any and all improvements and inventions disclosed in, applications based upon, and patents granted upon (including foreign patents and the right to claim priority), the above-referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all United States Patents resulting from said application or any division, continuation, substitute, renewal, re-examination or reissue 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 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 representatives, and shall be binding upon the inventor, as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I have not entered and will not enter into any assignment, contract, or understanding that conflicts with this assignment.
- 6) Authorize and request my attorney/agent to insert above the application No. in order to assist with recordal of this assignment.

Signed on the date indicated beside my signature.

- | | | |
|----|---|----------------------|
| 1) | Signature: <u></u> | Date: <u>8/25/03</u> |
| | Typed Name: SEAN S. KANG | |
| 2) | Signature: <u></u> | Date: <u>8/25/03</u> |
| | Typed Name: SANGHEON LEE | |

- 3) Signature: Wan Lin Chen Date: 8/25/03
Typed Name: WAN-LIN CHEN
- 4) Signature: Eric A. Hudson Date: 8/25/03
Typed Name: ERIC A. HUDSON
- 5) Signature: S. M. Reza Sadjadi Date: 8-25-03
Typed Name: S. M. REZA SADJADI
- 6) Signature: Gan Ming Zhao Date: 8-26-03
Typed Name: GAN MING ZHAO