

12-08-2005

ASSIGNMENT



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113243 U.S. PTO
11/29/2005



113005

11-30-05

Commissioner of Patents:

Please record the attached document.

1. Name of conveying party:

- a) Jisoo Kim
- b) Sangheon Lee
- c) Daehan Choi
- d) S. M. Reza Sadjadi

2. Name and address of receiving party:

- 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: November 22, 2005

4. Application Number or Patent Number: Filed Herewith

The title of the application is: **SELF-ALIGNED PITCH REDUCTION**

5. Please send all correspondence concerning this document to:

12/05/2005 AKELECH1 00000011 11291303
04 FC:8021

Beyer Weaver & Thomas, LLP
40.00 OP **P.O. Box 70250**
Oakland, CA 94612-0250
Customer Number: 022434

6. Total number of applications and patents involved: 1

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

- Enclosed.
- Charge to Deposit Account No. 500388 (Order No. _____).
- Any additional fees are authorized to be charged to Deposit Account No. 50-0388 (Order No. LAM1P218).

Date: November 30, 2005

Michael Lee
Registration No. 31,846

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

Attorney Docket No. LAM1P218/P1450

(Revised 9/03)

PATENT
REEL: 017309 FRAME: 0465

ASSIGNMENT OF PATENT APPLICATION

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

SELF-ALIGNED PITCH REDUCTION


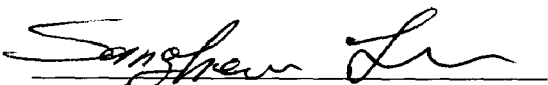
(Atty. Docket No. LAM1P218/P1450,

- 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:  Date: 11/22/2005
Typed Name: JISOO KIM
- 2) Signature:  Date: 11/22/05
Typed Name: SANGHEON LEE

3) Signature: 
Typed Name: DAEHAN CHOI

Date: 11/22/05

4) Signature: 
Typed Name: S.M. REZA SADJADI

Date: 11-22-05