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U.S. PTO  
11/821051  
06/20/2007

To the Honorable Commissioner for Patents:

Please record the attached original documents or copy thereto:

**1. Name of conveying party(ies):**

Name: John BOYD, Fritz REDEKER, Yezdi DORDI, Hyungsuk Alexander YOON, Shijian LI

Additional name(s) of conveying party(ies) attached?  Yes  No

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

Name: Lam Research Corporation

Street Address: 4650 Cushing Parkway

City: Fremont State/Country: CA ZIP: 94538

Additional name(s) & address(es) attached?  Yes  No

**3. Nature of conveyance:**

- Assignment  Merger
- Security Agreement  Change of Name
- Other

Execution Date: 15 June, 2007; 19 June 2007

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

If the document is being filed together with a new application, the execution date of the application is:  
15 June, 2007; 19 June 2007.

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:**

Name: Larry Williams

Street Address: 3645 Montgomery Dr.

City: Santa Rosa State/Country: CA ZIP: 95405-5212

06/25/2007 ATRINH 00000001 11821051

05 FC:8021

40.00 OP

**6. Total number of applications and patents involved: 1**

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

- Enclosed
- Authorized to be charged to deposit account

**ASSIGNMENT OF PATENT APPLICATION**  
(Accompanying Application)

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

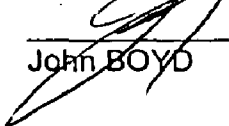
**METHODS AND APPARATUSES FOR THREE DIMENSIONAL INTEGRATED CIRCUITS**

(Docket: **XCR-006**) for which I have executed an application for a United States Letters Patent.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I the 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, (hereinafter referred to as "ASSIGNEE"), the entire right title and interest in any and all improvements and inventions disclosed in, application based upon, and Patent (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, continuation, substitute 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 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 have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this agreement.

Signed on the date indicated beside my signature.

1. Signature:  \_\_\_\_\_ Date: 19-June-07  
Typed Name: John BOYD
  
2. Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: Fritz Redeker
  
3. Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: Yezdi Dordi
  
4. Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: Hyungsuk Alexander Yoon
  
5. Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: Shijian Li

Signed on the date indicated beside my signature.

1. Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: John BOYD
  
2. Signature: Fritz Redeker Date: 6-15-07  
Typed Name: Fritz Redeker
  
3. Signature: Yezdi Dordi Date: 6/15/07  
Typed Name: Yezdi Dordi
  
4. Signature: Hyungsuk Alexander Yoon Date: 6/15/07  
Typed Name: Hyungsuk Alexander Yoon
  
5. Signature: Shijian Li Date: 6/15/07  
Typed Name: Shijian Li

**8. Deposit account number:**

**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.*

Name and Registration No. of Person Signing



Larry Williams, Reg. No. 39,428

Signature

06/20/2007

Date

Total number of pages comprising cover sheet: 2