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Luan C. Tran

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

2. Name and address of receiving party(ies):  
Name: Micron Technology, Inc.  
Internal Address: \_\_\_\_\_  
Street Address: 8000 South Federal Way  
City: Boise State: ID Zip: 83706

Additional names(s) & address(es) attached:  Yes  No



3. Nature of conveyance:

Assignment  Security Agreement  
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Execution Date: July 19, 1999

4. Application number(s) or patent number(s):  
If this document is being filed together with a new application, the execution date of the application is: 7/19/99

A. Patent Application No.(s): \_\_\_\_\_

Additional numbers attached:  Yes  No

B. Patent No.(s): \_\_\_\_\_

Additional numbers attached:  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: Mark S. Matkin  
Internal Address: Wells, St. John, Roberts,  
Gregory & Matkin P.S.  
Street Address: 601 W. First Avenue, Ste. 1300  
City: Spokane State: WA Zip: 99201-3828

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40  
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*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.*

Mark S. Matkin  
Name of Person Signing

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7/20/99  
Date

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PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT:

INVENTOR:

Luan C. Tran

ASSIGNEE:

Micron Technology, Inc.  
Corporation of the State of Delaware  
8000 South Federal Way  
Boise, Idaho 83706-9632

BACKGROUND OF THIS ASSIGNMENT:

INVENTOR has conceived certain new and useful inventions disclosed in a United States patent application titled Methods of Forming Conductive Capacitor Plugs, Methods of Forming Capacitor Contact Openings, and Methods of Forming Memory Arrays.

MICRON TECHNOLOGY, INC. (hereinafter referred to as "ASSIGNEE") desires to acquire the entire right, title and interest in said inventions and with respect to any Letters Patent that may be granted with respect to the inventions in both the United States and in all foreign countries.

THE PARTIES AGREE AS FOLLOWS:

In consideration of good and valuable consideration, the receipt sufficiency and adequacy of which is hereby acknowledged, INVENTOR hereby sells, assigns and transfers to ASSIGNEE the entire right and interest in the above-identified application executed concurrently with this assignment and to any reissues, renewals, divisions or continuations

1 thereof, and hereby authorizes the Commissioner of Patents and  
2 Trademarks to issue such Letters Patent to ASSIGNEE for the sole use  
3 of ASSIGNEE, its successors or assigns.

4 INVENTOR further agrees to execute, at the request and expense  
5 of ASSIGNEE such other formal documents as may be required to fully  
6 convey the interest transferred herein and will similarly execute any  
7 application papers required for the filing of any division, continuation,  
8 renewal or reissue of the patent application or resulting Letters Patent;  
9 and will generally do everything necessary or desirable to obtain and  
10 enforce proper protection for the invention assigned hereby.

11 INVENTOR further assigns to ASSIGNEE the whole right, title  
12 and interest in the inventions disclosed in the application throughout all  
13 countries foreign to the United States. ASSIGNEE is hereby authorized  
14 to apply for patents relating to the inventions in its own name in  
15 countries where such procedure is proper; to claim the benefit of the  
16 International Convention; to file and prosecute International Applications  
17 relating to the inventions under the Patent Cooperation Treaty; and to  
18 file and prosecute applications relating to the inventions under the  
19 European Patent Convention. INVENTOR agrees to execute applications  
20 relating to the inventions in those countries and under those conventions  
21 where it is necessary that the same be executed by the inventor, and  
22 to execute assignments of such applications and the resulting Letters  
23 Patent to ASSIGNEE as well as all other necessary papers in relation  
24 to such applications and Letters Patent.

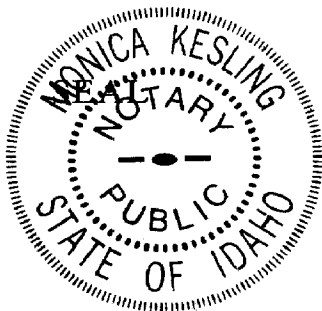
1 INVENTOR further warrants and covenants that no assignment,  
2 grant, mortgage, license or other agreement affecting the rights and  
3 property herein conveyed has been or will be made to others by the  
4 undersigned, and that the full rights to convey the same as herein  
5 expressed is possessed by the undersigned.

6 To be binding on the heirs, assigns, representatives and successors  
7 of the undersigned and extend to the successors, assigns and nominees  
8 of the Assignees.

9 (Signature) Luan C. Tran Date: 7/19/99  
LUAN C. TRAN

10  
11 State of Idaho )  
12 County of Ada ) ss.

13 BEFORE ME, this 19th day of July 1999  
14 personally appeared the above-named inventor, to me known to be the  
15 person who is described in and who executed the foregoing assignment  
instrument and acknowledged to me that he/she executed the same of  
his/her own free will for the purpose therein expressed.



16  
17 Monica Kesling  
18 Notary or Consular Officer  
19 My Commission Expires: 5-17-2005