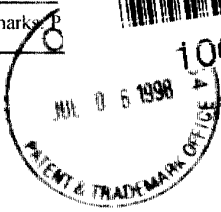


FORM PTO-1584
01-10-96:CMG
7-6-98
Atty Ref/Docket No.: 303.176US1

RECORDATION
07-15-1998

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office



To the Honorable Commissioner of Patents and Trademarks

hereof.

1. Name of conveying party(ies):

James M. Shaffer, Brent Keeth, Eugene H. Cloud and Salman Akram

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

Name: Micron Technology, Inc.

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

Street Address: 8000 South Federal Way

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

City: Boise State: ID ZIP: 83716-9632

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

Execution Date: March 31, 1998, April 7, 1998 and April 8, 1998

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: _____

A. Patent Application No.(s)

B. Patent No.(s)

Serial No. 09/030,498, filed February 25, 1998

Additional numbers attached? []Yes [X]No

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

Name: Sheryl Sue Holloway

Address: Schwegman, Lundberg, Woessner & Kluth, P.A.
P.O. Box 2938
Minneapolis, MN 55402

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

8. Please charge any additional fees or credit any overpayments to our
Deposit account number: 19-0743

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.

Sheryl Sue Holloway/Reg. No. 37,850

JUNE 30, 1998

07/10/1998 180800 00000053 09030498

Signature

Date

Total number of pages including cover sheet: 5

05 FC:581

40.00 DP

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of information systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.

PATENT
REEL: 9301 FRAME: 0384

ASSIGNMENT

WHEREAS, WE, James M. Shaffer, residing at 1909 No. 10th, Boise, ID 83702, and Brent Keeth, residing at 3849 N. Sawgrass Place, Boise, ID 83704, and Eugene H. Cloud, residing at 2145 Mortimer Drive, Boise, ID 83712, and Salman Akram, residing at 1463 E. Regatta Street, Boise, ID 83706, made certain new and useful inventions and improvements for which We filed an application for Letters Patent of the United States on February 25, 1998, which application was assigned U.S. patent application serial number 09/030,498, and is entitled SEMICONDUCTOR MEMORY REMAPPING.

AND WHEREAS, Micron Technology, Inc., a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 8000 So. Federal Way, Boise, ID 83706, (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 8 day of April, 1998.

Salman Akram

Salman Akram

STATE OF Delaware)

)ss.

COUNTY OF Delaware)

On this 8 day of April, 1998 before me personally appeared Salman Akram to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

[Signature]

Notary Public