

FORM PTO-1595  
(Rev. 6-93)

REC

09-14-1998

T U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

9-2-98



100826767

To the Honorable Commissioner of Patents and Trademarks: Please receive the enclosed original document or copy thereof.

1. Names of conveying parties:

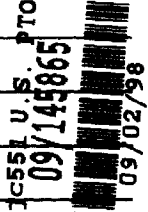
1) MICHAEL A. SHORE  
2) PATRICK J. MULLARKEY  
3)  
4)  
5)  
6)

Additional names of conveying parties attached? \_\_\_ Yes X No

2. Name and address of receiving party:

Name: MICRON TECHNOLOGY, INC.  
Internal Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Street Address: 8000 SOUTH FEDERAL WAY  
\_\_\_\_\_  
City: BOISE State IDAHO  
Zip: 83706-9632

Additional names & addresses attached? \_\_\_ Yes N No



3. Nature of conveyance:

X Assignment \_\_\_ Merger  
\_\_\_ Security Agreement \_\_\_ Change of Name  
\_\_\_ Other \_\_\_\_\_

Execution Dates:

1) AUGUST 25, 1998 4) \_\_\_\_\_  
2) AUGUST 31, 1998 5) \_\_\_\_\_  
3) \_\_\_\_\_ 6) \_\_\_\_\_

4. Application number(s) or registration number(s):

If this document is being filed together with a new application, the execution date of the application is SEPTEMBER 2, 1998.

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

Additional numbers attached? \_\_\_ Yes X No

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

Name: SEED AND BERRY LLP  
Internal Address: FREDERICK M. FLIEGEL  
6300 COLUMBIA CENTER  
Street Address: 701 FIFTH AVENUE  
09/10/1998 09/10/1998 09/10/1998 ZIP: 98104-7092  
04 FC:581 40.00 00

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

7. Total Fee (37 CFR 3.41): ..... \$40  
X Enclosed  
\_\_\_ Authorized to be charged to deposit account

8. Deposit account number: \_\_\_\_\_  
19-1090

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.*

FREDERICK M. FLIEGEL [Signature] 9/2/98  
Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and document: 4

EXPRESS MAIL NO.: EM150269243US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	
	)	Docket No.: 660073.667
Michael A. Shore	)	
and	)	
Patrick Mullarkey	)	Disclosure Number: 97-0807
	)	
Filed: Concurrently herewith	)	
	)	
For: METHOD AND APPARATUS	)	
FOR MULTIPLE ROW	)	
ACTIVATION IN MEMORY	)	
DEVICES	)	
	)	

ASSIGNMENT:

Enclosed for recording  
 Previously recorded  
Date: \_\_\_\_\_  
Reel: \_\_\_\_\_

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned do hereby:

SELL, ASSIGN AND TRANSFER to Micron Technology, Inc. (the "Assignee"), a corporation of Delaware, having a place of business at 8000 South Federal Way, Boise, Idaho 83706-9632, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith and is entitled "METHOD AND APPARATUS FOR MULTIPLE ROW ACTIVATION IN MEMORY DEVICES"; such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States of America;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

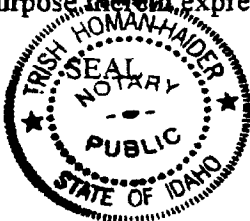
COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Michael A Shore Date: 8-25-98  
Michael A. Shore

STATE OF IDAHO )  
County of Ada ) ss.

BEFORE ME, this 25th day of August, 1998, personally appeared the above-named individual, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.



Irish Homan-Haider  
Notary or Consular Officer  
My Commission Expires 7-30-03

Patrick J. Mullarkey  
Patrick J. Mullarkey

Date: Aug 31 1998

STATE OF IDAHO )

County of Ada ) ss.

BEFORE ME, this 31st day of August, 1998, personally appeared the above-named individual, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.



c:\Fmf660073.667.asnt

Irish Roman-Nailes  
Notary or Consular Officer  
My Commission Expires 3-26-03

EXPRESS MAIL NO.: EM150269243US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	
	)	Docket No.: 660073.667
Michael A. Shore	)	
and	)	
Patrick Mullarkey	)	Disclosure Number: 97-0807
	)	
Filed: Concurrently herewith	)	
	)	
For: METHOD AND APPARATUS	)	
FOR MULTIPLE ROW	)	
ACTIVATION IN MEMORY	)	
DEVICES	)	
	)	

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AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

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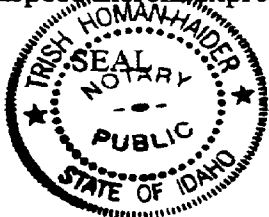
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Notary or Consular Officer  
My Commission Expires 3-26-03

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c:\Fmf660073.667.asst

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My Commission Expires 3-26-03