FORM PTO-1584 01-10-96:CMG	RECORDATION	15-1998	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
7-698 Atty Ref/Docket No.: 303.176US1			
To the Honorable Commissioner of Patents	and Trademark	0765 <u>596</u> 2. Name and address	aereof.
Name of conveying party(ies):	100	2. Name and address	s of receiving party(ies):
James M. Shaffer, Brent Keeth, Eugene H. C Salman Akram	4 900 0	Name: Micron Technology, Inc.	
Additional name(s) of conveying party(ies)	attached? []Yes [X]No	Street Address:	2000 C. d. P. J I.W.
3. Nature of conveyance:		Succe Address.	8000 South Federal Way
[X] Assignment [] Merger			
[] Security Agreement [] Change of Name		City: Bois	e State: <u>ID</u> ZIP: <u>83716-9632</u>
[] Other		Additional name(s) & address(es) attached? [Yes [X]No	
Execution Date: March 31, 1998, April 7, 1	998 and April 8, 1998	Į.,	
4. Application number(s) or patent number(s):		
If this document is being filed together v	vith a new application, the execution	date of the application is:	at to discuss of the
A. Patent Application No.(s)		B. Patent No.(s)	
Serial No. 09/030,498, filed Febr	uary 25, 1998		
Additional numbers attached? []Yes [X]No)		
Name and address of party to whom correspondence concerning document should be mailed:		6. Total number of applications and patents involved: 1	
Name: Sheryl Sue Holloway		7. Total fee (37 CFR 3.41):\$_40.00	
Address: Schwegman, Lundberg, Woessner & Kluth, P.A. P.O. Box 2938		[X] Enclosed	to be charged to deposit account
Minneapolis. MN 55402		Please charge any additional fees or credit any overpayments to our Deposit account number: 19-0743	
	DO NOT US	E THIS SPACE	
9. Statement and signature.			
To the best of my knowledge and belief,	the foregoing information is true and	Correct and any attached co	py is a true copy of the original document.
Sheryl Sue Holloway/Reg. No. 37,850			JUNE 30, 1998
07/10/4 996 #BORDON Fig 00000053 0903049	Signature Signature		Date Total number of pages including cover sheet: 5
05 FC:581	0.00 NP	usaan oo aa	
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ASSIGNMENT

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

AND WHEREAS, <u>Micron Technology</u>. Inc., a corporation organized and existing under and by virtue of the laws of the State of <u>Delaware</u>, and having an office and place of business at <u>8000 So. Federal Way</u>, <u>Boise, ID 83706</u>, (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.

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AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements. inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold. assigned and conveyed, or intended so to be.

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me/us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 3/day of May, 1998.

James M. Shaffer

STATE OF Adams)

On this day of James M. Shaffer 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]

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IN TESTIMONY WHEREOF, I have hereunto set my hand this 3/ day of MARCH, 1998. STATE OF LAND COUNTY OF REAL On this 3 day of 1998 before me personally appeared Brent Keeth 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] Notary Public IN TESTIMONY WHEREOF, I have hereunto set my hand this STATE OF SAND COUNTY OF. , 1998 before me personally appeared Eugene H. Cloud 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]

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IN TESTIMONY WHEREOF, I have b	nereunto set my hand this <u>8</u> day of April, 1998.
	Salum A Kam
⁷ ls. 1 ₆ .	Salman Akram
STATE OF <u>Iddhl</u>)	
STATE OF <u>Labor</u>) Ss. COUNTY OF <u>Labor</u>)	
On this <u>and any of</u> 199	98 before me personally appeared <u>Salman Akram</u> to me
known and known to me to be the person des	scribed in and who executed the foregoing instrument, and
he/she duly acknowledged to me that he/she	e executed the same for the uses and purposes therein set
forth.	
[SEAL]	Notary Public

PATENT
RECORDED: 07/06/1998 REEL: 9301 FRAME: 0388