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JCS06 U.S. PTC  
09/643193  
08/21/00

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. Unless filed with a new application, mail to: BOX ASSIGNMENT, Commissioner of Patents and Trademarks, Washington, D.C. 20231.

1. Name of conveying party(ies):  
Todd O. Bolken; David L. Peters  
  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies):  
Name: Micron Technology, Inc.  
Address: 8000 South Federal Way  
Boise, Idaho 83707-0006  
  
Additional name(s) & address(es) attached?  Yes  No

3. Nature of conveyance:  
 Assignment  Merger  
  
 Security Agreement  Change of Name  
  
 Other \_\_\_\_\_  
  
Execution Date: August 18, 2000

NOTICE OF EXPRESS MAILING  
Express Mail Mailing Label Number: EL700255319US  
Date of Deposit with USPS: August 21, 2000  
Person making Deposit: Jared Turner

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: August 18, 2000  
A. U.S. Patent Application No.(s)

B. U.S. Patent No.(s)  
  
**09643193**  
  
Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning this document should be mailed:  
Name: Joseph A. Walkowski  
Trask Britt  
P.O. Box 2550  
Salt Lake City, UT 84110-2550  
  
Attorney Docket No. 4335US

6. Total number of U.S. applications and U.S. patents involved:  
  
  
7. Total fee (37 C.F.R. § 3.41) . . . . . \$ 40.00  
(\$40.00 times number in box 6)  
Check no. 14418 is enclosed in this amount.  
  
8. The Commissioner is hereby authorized to charge any deficiency or credit any overpayment to deposit account number 20-1469.

09/06/2000 NTHAI1 00000112 09643193  
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9. Statement and signature.  
*To the best of my knowledge and belief, the foregoing information is true and correct.*  
  
\_\_\_\_\_  
Kenneth B. Ludwig  
Name of Person Signing  
Reg. No. 42,814  
  
*Kenneth B. Ludwig*  
\_\_\_\_\_  
Signature  
  
\_\_\_\_\_  
August 21, 2000  
Date  
  
Total number of pages including cover sheet, attachments and document:

ASSIGNMENT

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

SELL, ASSIGN AND TRANSFER to MICRON TECHNOLOGY, INC. ("ASSIGNEE"), a corporation of the State of Delaware having a place of business at 8000 South Federal Way, Boise, Idaho 83707-0006, 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 each undersigned ASSIGNOR concurrently herewith and is entitled METHOD AND APPARATUS FOR ENCAPSULATING A MULTI-CHIP SUBSTRATE ARRAY, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent or the legal equivalent thereof which have been or may be filed in the United States and all foreign countries relating to any of such improvements; all original, reexamined 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 made in the United States;

AUTHORIZE the ASSIGNEE to apply for and receive any and all United States and foreign patents relating to such improvements in its own name;

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

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

COVENANT, when requested and at the expense of the ASSIGNEE, to carry out in good faith the intent and purpose of this assignment, to execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications relating to any and all such improvements; to execute all rightful oaths, declarations, assignments, powers of attorney and other papers; to communicate to the ASSIGNEE all facts and provide to the ASSIGNEE all documents and things known and accessible to the undersigned relating to such improvements and the history thereof, and testify as to the same in any interference, litigation or other proceeding relating thereto; and generally to do everything possible which the ASSIGNEE shall consider desirable for vesting title to such improvements in the ASSIGNEE, and to

secure, maintain, defend and enforce valid and enforceable patent protection for such improvements;

AGREE AND ACKNOWLEDGE that the SALE, ASSIGNMENT AND TRANSFER of rights and property set forth herein is and shall be IRREVOCABLE and BINDING upon the heirs, assigns, representatives and successors of each undersigned ASSIGNOR and EXTEND to the successors, assigns and nominees of the ASSIGNEE.

ASSIGNORS:

Todd Bolken

Date 8/18/00

Todd O. Bolken

Residing at: 3881 Westpark Creek Drive, Meridian, ID 83642

David L. Peters

Date 8/18/00

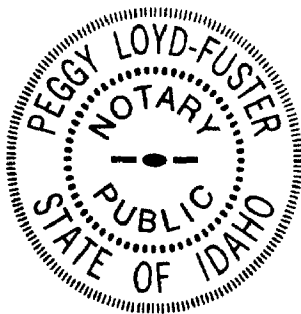
David L. Peters

Residing at: 4414 S. Cimarron Ave., Boise, ID 83709

STATE OF Idaho )

COUNTY OF Ada ) : ss.

BEFORE ME, the undersigned authority, on this 18<sup>th</sup> day of August, 2000, personally appeared Todd O. Bolken, personally known or proven by satisfactory documentary evidence to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.



Peggy Loyd-Fuster  
Notary or Consular Officer