

05-16-2001



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ER SHEET

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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): 05/08/01
Mark R. Thomann, Christopher K. Morzano and Wen Li

2. Name and address of receiving party(ies):
Name: MICRON TECHNOLOGY, INC.
Address: 8000 South Federal Way
Boise, Idaho 83707-0006

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

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

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____

NOTICE OF EXPRESS MAILING
Express Mail Mailing Label Number: EL740531173US
Date of Deposit with USPS: May 8, 2001
Person making Deposit: Daniel G. Thatcher

Execution Date: April 27, 2001

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: April 27, 2001

A. U.S. Patent Application No.(s)

B. U.S. Patent No.(s)

09/851176

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. 4362US (00-0207)

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. 16387 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.

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct.

Joseph A. Walkowski
Name of Person Signing
Reg. No. 28,765

Signature

May 8, 2001
Date

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

JCS76 U.S. PTO
09/851176
85/86/81

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 **READ/WRITE TIMING CALIBRATION OF A MEMORY ARRAY USING A ROW OR A REDUNDANT ROW**, 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:

Mark R. Thomann
Mark R. Thomann
Residing at: 3608 RivaRidge, Boise, Idaho 83709

Date 4-27-01

Christopher K. Morzano
Christopher K. Morzano
Residing at: 2624 Harmony Street, Boise, Idaho 83706

Date 4/27/01

Wen Li
Wen Li
Residing at: 2427 E. Gloucester Street, Boise, Idaho 83706

Date 4/27/01

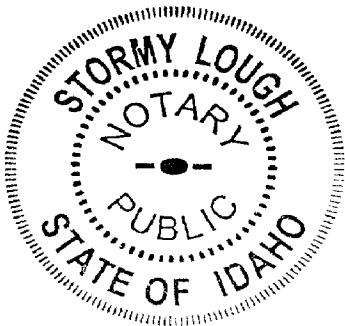
STATE OF IDAHO)

: ss.

COUNTY OF ADA)

BEFORE ME, the undersigned authority, on this 27 day of April, 2001, personally appeared Mark R. Thomann, 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.

Stormy Lough
Notary or Consular Officer

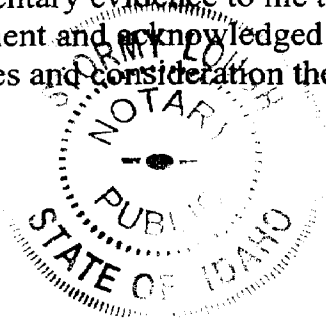


STATE OF IDAHO)

: ss.

COUNTY OF ADA)

BEFORE ME, the undersigned authority, on this 27 day of April, 2001, personally appeared Christopher K. Morzano, 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.



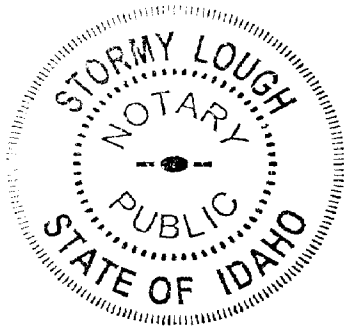
Stormy Lough
Notary or Consular Officer

STATE OF IDAHO)

: ss.

COUNTY OF ADA)

BEFORE ME, the undersigned authority, on this 27 day of April, 2001, personally appeared Wen Li, 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.



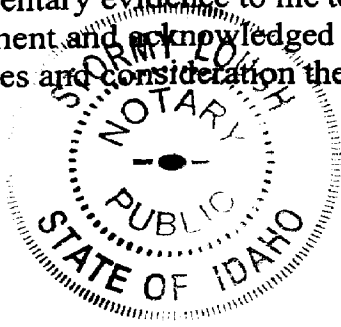
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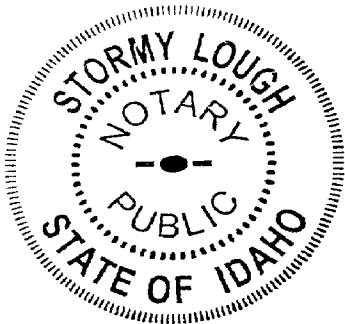
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Stormy Lough
Notary or Consular Officer