

03-24-2005

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

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102965748

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)/Execution Date(s):**

Daniel Doyle  
Michael Shore

*MD*  
*3-11-05*

Execution Date(s) 2/23/05 and 3/3/05

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

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

Name: Micron Technology, Inc.

Internal Address: \_\_\_\_\_

Street Address: 8000 S. Federal Way

City: Boise

State: Idaho

Country: U.S.A. Zip: 83707-0006

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

**3. Nature of conveyance:**

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

**4. Application or patent number(s):**

☒ This document is being filed together with a new application.

A. Patent Application No.(s)

DTESSEM1 00000020 11078764

B. Patent No.(s)

40.00 OP

Additional numbers attached? ☐ Yes ☒ No

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

Name: Edward L. Pencoske

Internal Address: \_\_\_\_\_

Street Address: Thorp Reed & Armstrong, LLP

One Oxford Centre, 301 Grant Street, 14th Floor

City: Pittsburgh

State: PA Zip: 15219-1425

Phone Number: 412-394-7789

Fax Number: 412-394-2555

Email Address: epencoske@thorpreed.com

**6. Total number of applications and patents involved:**

1

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40**

- ☐ Authorized to be charged by credit card  
☐ Authorized to be charged to deposit account  
☒ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 20-888

Authorized User Name Edward L. Pencoske

**9. Signature:**

*E L Pencoske*

Signature

11 March 2005

Date

Edward L. Pencoske

Name of Person Signing

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

6

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

**PATENT**  
**REEL: 016379 FRAME: 0225**

Attorney's Docket No. DB001149-000

For: ☒ U.S. and/or ☒ Foreign Rights  
For: ☒ U.S. Application or  
☐ U.S. Provisional Application  
For: ☐ U.S. Patent  
For: ☒ PCT Application  
By: ☒ Multiple Inventors

**ASSIGNMENT OF INVENTION (MULTIPLE INVENTORS)**

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

**ASSIGNORS (Inventors):**Daniel Doyle*(type or print name of inventors)*5327 Holly Hill Dr.Boise, ID 83703

Address

U.S.

Nationality

Michael Shore5320 W. Quarterpath Ct.Boise, ID 83716U.S.

hereby sells, assigns and transfers to

**ASSIGNEE:**Micron Technology, Inc.*(type or print name(s) of ASSIGNEE(S))*8000 S. Federal WayBoise, ID 83707-0006

Address

Nationality

and the successors, assigns and legal representatives of the ASSIGNEE

*(complete one of the following)*

☒ the entire right, title and interest  
☐ an undivided \_\_\_\_\_ percent ( \_\_\_\_\_ %) interest  
for the United States and its territorial possession

*(check the following box, if foreign rights are also to be assigned)*

☒ and in all foreign countries, including all rights to claim priority,  
in and to any and all improvements which are disclosed in the invention entitled:

## **DETECTION OF ROW-TO-ROW SHORTS AND OTHER ROW DECODE DEFECTS IN MEMORY DEVICES**

*(check and complete (a), (b), (c), (d), (e), (f) or (g))*

and which is found in

- (a) ☒ U.S. patent application executed on even date herewith  
(b) ☐ U.S. patent application executed on \_\_\_\_\_  
(c) ☐ U.S. provisional application naming the above inventor(s) for the above-  
entitled invention.  
☐ Express mail label no. \_\_\_\_\_  
Mailed: \_\_\_\_\_  
☐ To comply with 37 CFR 3.21 for recordal of this  
assignment, I, an ASSIGNOR signing below,  
hereby authorize and request my attorney to  
insert below the filing date and application  
number when they become known.  
(d) ☐ U.S. application no. \_\_\_\_\_ filed on \_\_\_\_\_  
(e) ☐ International application no. PCT/ \_\_\_\_\_ / \_\_\_\_\_  
filed on \_\_\_\_\_  
(f) ☐ U.S. patent no. \_\_\_\_\_ issued \_\_\_\_\_  
☐ A change of address to which correspondence is to be sent  
regarding patent maintenance fees is being sent separately.

*(also check (g), if foreign application(s) is also being assigned)*

- (g) ☒ and any legal equivalent thereof in a foreign country, including the right to  
claim priority

and, in and to, all Letters Patent to be obtained for said invention by the above application or  
any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or  
re-examination thereof

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance  
has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided  
promptly with all pertinent facts and documents relating to said invention and said Letters

Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letter Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal this 2/23/05  
3/3/05  
Date of Signing

**WARNING:** The date of signing must be the same as the date of execution of the application, if item (a) was checked above.

Daniel Doyle  
(type name of inventor)

Michael Shore

Daniel Doyle  
Signature of INVENTOR  
Michael Shore

☒ Notarization or Legalization Page Added.

Note: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be prima facie evidence of execution. 35 USC 261. Use next page if notarization is desired.

**NOTARIZATION OR LEGALIZATION ACCOMPANYING ASSIGNMENT**

*NOTE: Executing this page is not required for assignment, and is only prima facie evidence of execution, 35 USC 261.*

Details of Country United States

And place of signing of assignment State of Idaho  
Ada County

Before me this 23<sup>rd</sup> day of February 20 05, personally appeared the above named individuals(s), to me known to be the person(s) who is are described in, and who executed the foregoing assignment instrument and acknowledged to me that



he



his



she

executed the same of



her



they



their

own free will for the purpose therein expressed.



*Marjorie I. Dugdale*  
Notary Public or Consular Officer of the  
United States of America  
*expires 1/12/09*

**NOTARIZATION OR LEGALIZATION ACCOMPANYING ASSIGNMENT**

*NOTE: Executing this page is not required for assignment, and is only prima facie evidence of execution, 35 USC 261.*

Details of Country UNITED STATES

And place of signing of assignment ADA COUNTY

STATE OF IDAHO

Before me this 3<sup>RD</sup> day of MARCH 2005, personally appeared the above named individuals(s), to me known to be the person(s) who is are described in, and who executed the foregoing assignment instrument and acknowledged to me that



he



his



she

executed the same of



her



they



their

own free will for the purpose therein expressed.



Merri Helms exp. 8/25/2010  
Notary Public or Consular Officer of the  
United States of America