

Form PTO-1595 (Rev. 06/04)  
OMB No. 0651-0027 (exp. 6/30/2005)

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

## RECORDATION FORM COVER SHEET PATENTS ONLY

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):

Travis Swanson  
Jeff Rooney

Execution Date(s) 1/5/04

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

### 3. Nature of conveyance:

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

### 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.

Zip: 83707-0006

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

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

A. Patent Application No.(s)

10/766,611

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

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Abhijat Parikh, Esquire

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

Street Address: Thorp Reed & Armstrong, LLP

One Oxford Centre, 14th Floor, 301 Grant Street

City: Pittsburgh

State: PA

Zip: 15219-1425

Phone Number: 412-394-2478

Fax Number: 412-394-2555

Email Address: aparikh@thorpreed.com

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

1

### 7. Total fee (37 CFR 1.21(h) & 3.41) \$ \_\_\_\_\_

- ☐ 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 20-0888

Authorized User Name \_\_\_\_\_

### 9. Signature:

  
Signature

10 August 2004

Date

Abhijat Parikh

Name of Person Signing

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

7

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

02-05-2004

Form PTO-1595

(Rev. 10/02)

REC

OMB No. 0651-0027 (exp. 6/30/2005)

Tab settings



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

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Travis Swanson

Jeff Rooney

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

Name: Micron Technology, Inc.

Internal Address:

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

## 3. Nature of conveyance:

☐ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Street Address: 8000 S. Federal Way

City: Boise State: ID Zip: 83707-0006

Execution Date:

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

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

101766611

If this document is being filed together with a new application, the execution date of the application is: 1/5/04

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Abhijat Parikh, Esquire

Internal Address:

Street Address: Thorp Reed &amp; Armstrong, LLP

One Oxford Centre, 14th Fl., 301 Grant Street

City: Pittsburgh State: PA Zip: 15219-1425

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

7. Total fee (37 CFR 3.41).....\$ 40

☒ Enclosed☐ Authorized to be charged to deposit account

## 8. Deposit account number:

20-0888

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## 9. Signature.

Abhijat Parikh

Name of Person Signing

Signature

28 January 2004

Date

Total number of pages including cover sheet, attachments, and documents: 5

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Washington, D.C. 20231

2/03/2004 HNEKONEN 00000005 10766611

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PATENT  
REEL: 015058 FRAME: 0015

**COPY**Attorney's Docket No. DB001096-000**PATENT**

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):**

Travis Swanson  
(type or print name of inventors)

6960 148<sup>th</sup> Lane, NW  
Ramsey, MN 55303 U.S.  
Address Nationality

Jeff Rooney

152 102<sup>nd</sup> Lane, NE  
Blaine, MN 55434 U.S.

hereby sells, assigns and transfers to

**ASSIGNEE:**

Micron Technology, Inc.  
(type or print name(s) of ASSIGNEE(S))

8000 S. Federal Way  
Boise, 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:

# PROVIDING MEMORY TEST PATTERNS FOR DLL CALIBRATION

(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 1-5-04  
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.

Travis Swanson  
(type name of inventor)

Travis Swanson  
Signature of INVENTOR

Jeff Rooney

Jeff Rooney

☒ 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.

Attorney's Docket No. DE001096-000

**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 MINNESOTA - MICRON TECHNOLOGY, INC.  
HENNEPIN COUNTY 3001 BROADWAY ST. N.E.  
MINNEAPOLIS, MN 55413

Before me this 5<sup>th</sup> day of JANUARY 2004, 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

- |  |   |
|--|---|
| <input type="checkbox"/> he              | <input type="checkbox"/> his                      |
| <input type="checkbox"/> she             | executed the same of <input type="checkbox"/> her |
| <input checked="" type="checkbox"/> they | <input checked="" type="checkbox"/> their         |

own free will for the purpose therein expressed.



Frank D. Vogt  
Notary Public or Consular Officer of the  
United States of America