

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Toru Tanzawa</td> <td>08/30/2012</td> </tr> <tr> <td>Tamotsu Murakoshi</td> <td>08/30/2012</td> </tr> <tr> <td>Deepak Thimmegowda</td> <td>08/30/2012</td> </tr> </tbody> </table>		Name	Execution Date	Toru Tanzawa	08/30/2012	Tamotsu Murakoshi	08/30/2012	Deepak Thimmegowda	08/30/2012		
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Tamotsu Murakoshi	08/30/2012										
Deepak Thimmegowda	08/30/2012										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Micron Technology, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>8000 So. Federal Way</td> </tr> <tr> <td>City:</td> <td>Boise</td> </tr> <tr> <td>State/Country:</td> <td>IDAHO</td> </tr> <tr> <td>Postal Code:</td> <td>83716-9632</td> </tr> </table>		Name:	Micron Technology, Inc.	Street Address:	8000 So. Federal Way	City:	Boise	State/Country:	IDAHO	Postal Code:	83716-9632
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13599793</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13599793						
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Application Number:	13599793										
CORRESPONDENCE DATA											
Fax Number: 6057911857 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 6054154394 Email: llee@slwip-rc.com Correspondent Name: Lisa M. Lee Address Line 1: 1241 Concourse Dr. Address Line 4: Rapid City, SOUTH DAKOTA 57703											
ATTORNEY DOCKET NUMBER:	303.D92US1										
NAME OF SUBMITTER:	Lisa M. Lee										
Signature:	/Lisa M. Lee/										
Date:	07/12/2013										

CH \$40.00 13599793

Total Attachments: 6

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RECORDATION FORM COVER SHEET  
PATENTS ONLY

Atty Ref/Docket No.: 303.D92US1

Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Toru Tanzawa, Tamotsu Murakoshi, Deepak  
Thimmegowda

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

3. Nature of conveyance:

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

Execution Date: August 30, 2012, August 30, 2012,  
August 30, 2012

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

Name: Micron Technology, Inc.

Street Address: 8000 So. Federal Way

City: Boise State: ID Zip: 83716-9632  
Country: United States of America

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

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:

A. Patent Application No.(s)

B. Patent No.(s)

Serial No. 13/599,793, filed August 30, 2012

Additional numbers attached? ☐ Yes ☒ No

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

Name: Viet V. Tong

Address:

Schwegman, Lundberg & Woessner, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402-0938

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):\$ 40.00

☐ Enclosed

☒ Authorized to be charged to deposit account  
19-0743

8. Please charge any additional fees or credit any over  
payments to our Deposit Account No.: 19-0743

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy  
of the original document.

Viet V. Tong/Reg. No. 45,416

Name of Person Signing

/ Viet Tong /

Signature

7-12-13

Date

Total number of pages including cover sheet: 6

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks  
Mail Stop Assignment Recordation Services  
P.O. Box 1450  
Alexandria, VA 22313-1450

PATENT  
REEL: 030784 FRAME: 0211

### ASSIGNMENT

WHEREAS, Toru Tanzawa, Tamotsu Murakoshi, Deepak Thimmegowda (hereinafter the "Undersigned") has [have] made one or more inventions and other subject matter (hereinafter collectively referred to as the "Invention") which are described in a patent application filed on August 30, 2012, which application was assigned US patent application serial number 13/599,793, and which is titled MEMORY ARRAY HAVING CONNECTIONS GOING THROUGH CONTROL GATES.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged by the Undersigned, the Undersigned do hereby irrevocably and unconditionally:

CONVEY, ASSIGN, AND TRANSFER to Micron Technology, Inc. (the "Assignee"), a corporation of the State of Delaware, having a place of business at 8000 So. Federal Way, Boise, ID 83716-9632, the Undersigned's entire right, title, and interest for the United States and all foreign countries and jurisdictions in and to:

the Invention which is disclosed in the above-identified application or applications;

such application or applications, and all divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other applications for a patent or patents which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries and jurisdictions based in whole or in part on any of such Invention (including any application for a utility model or an innovation patent application);

all original and reissued patents which have been or shall be issued in the United States and all foreign countries and jurisdictions based in whole or in part on any of such Invention;

including the right to claim priority to the above-identified patent application or applications in relation to subject matter based in whole or in part on the above-identified patent application or applications and any of the foregoing including the right to file foreign applications under the provisions of any convention or treaty;

and including the right to all causes of action, remedies, and other enforcement rights related to the above-identified application or applications, including without limitation the right to sue for past, present, or future infringement, misappropriation, or violation of any and all rights related to the above-identified patent application or applications and any of the foregoing, including the right to obtain and collect damages for past, present, or future infringement;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such Invention to the Assignee;

AUTHORIZE AND REQUEST that any attorney associated with U.S. Patent and Trademark Office (USPTO) Customer No. 73115 may (directly or through his/her designee) delete, insert, or alter any

Assignment

Assignors: Toru Tanzawa et al.

Title: MEMORY ARRAY HAVING CONNECTIONS GOING THROUGH CONTROL GATES

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Docket No: 303.D92US1  
Client Ref. No. 2011-0512.00/US

information related to the above-identified patent application or applications or any of the foregoing, after execution of this Assignment;

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

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the Undersigned shall (1) execute all provisional, non-provisional, divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other patent applications for the Invention; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers for the Invention; (3) communicate to the Assignee all facts known to the Undersigned relating to the Invention and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for the Invention; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such Invention in the Assignee, or for securing, maintaining and enforcing proper patent protection for the Invention;

COVENANT, that should any provision of this agreement be held unenforceable by an authority of competent jurisdiction, such a ruling shall not affect the validity and enforceability of the remaining provisions. To the extent that any such provision is found to be unenforceable, the Undersigned, when requested and without compensation shall act in good faith to substitute for such provision a new provision with content and purpose as close as possible to the provision deemed unenforceable.

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives, and successors of the Undersigned, and is to extend to the benefit of the successors, assigns, and nominees of the Assignee.

AGREED as of the date of my signature below:

Assignment

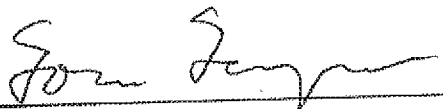
Assignors: Toru Tanzawa et al.

Title: MEMORY ARRAY HAVING CONNECTIONS GOING THROUGH CONTROL GATES

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Docket No: 303.D92US1  
Client Ref. No. 2011-0512.00/US

Assignor:

(Signature): 

Name: Toru Tanzawa


City/State: Adachi, Tokyo, Japan

WITNESSES:

Dated Aug. 30, 2012 Signature 

Printed Name TOMOHARU TANAKA

Address 1-14-3-403 IRIE, KANAGAWAKU,  
YOKOHAMA, KANAGAWA, JAPAN

Dated 8/30/2012 Signature 

Printed Name Shigekazu Yamada

Address 2-10-26-202 Takaide-nishi  
Suginami-ku, Tokyo, Japan

Assignor:

(Signature): Tamotsu Murakoshi

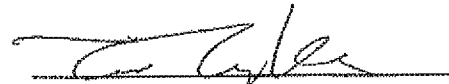
Name: Tamotsu Murakoshi

City/State: Saiwaiku, Kawasaki, Kanagawa, Japan

WITNESSES:

Dated Aug. 30, 2012

Signature

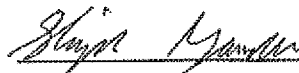


Printed Name TOMO HARU TANAKA

Address 1-14-7-403 IRIE, KANAGAWAKU,  
YOKOHAMA, KANAGAWA, JAPAN

Dated 8/30/2012

Signature



Printed Name Shigekazu Yamada

Address 2-10-26-202 Takaido-nishi  
Suginami-ku, Tokyo, Japan

Assignor:

(Signature): T. Deepak

Name: Deepak Thimmegowda

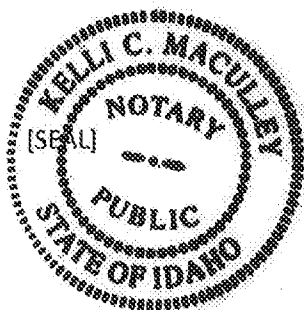
City/State: Boise, ID

Date: 08/30/2012

STATE OF Idaho )  
 )ss

COUNTY OF Ada )

On this 30 day of August, 2012 before me personally appeared Deepak Thimmegowda, 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.



Kelli C Maculley

Notary Public

exp: 2/28/2012