

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>Sanh D. Tang</td> <td>07/17/2013</td> </tr> <tr> <td>Kamal M. Karda</td> <td>07/12/2013</td> </tr> <tr> <td>Wolfgang Mueller</td> <td>07/22/2013</td> </tr> <tr> <td>Sourabh Dhir</td> <td>07/15/2013</td> </tr> <tr> <td>Robert Kerr</td> <td>07/22/2013</td> </tr> <tr> <td>Sangmin Hwang</td> <td>07/15/2013</td> </tr> <tr> <td>Haitao Liu</td> <td>07/17/2013</td> </tr> </tbody> </table>		Name	Execution Date	Sanh D. Tang	07/17/2013	Kamal M. Karda	07/12/2013	Wolfgang Mueller	07/22/2013	Sourabh Dhir	07/15/2013	Robert Kerr	07/22/2013	Sangmin Hwang	07/15/2013	Haitao Liu	07/17/2013
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RECEIVING PARTY DATA																	
<table border="1"> <tr> <td>Name:</td> <td>Micron Technology, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>MS 1-525</td> </tr> <tr> <td>Internal Address:</td> <td>8000 South 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</td> </tr> </table>		Name:	Micron Technology, Inc.	Street Address:	MS 1-525	Internal Address:	8000 South Federal Way	City:	Boise	State/Country:	IDAHO	Postal Code:	83716				
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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>13948746</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13948746												
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CORRESPONDENCE DATA																	
Fax Number:	5098383424																
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
Phone:	509-624-4276																
Email:	docketing@wellsstjohn.com																
Correspondent Name:	Mark S. Matkin																
Address Line 1:	Wells St. John P.S.																
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OP \$40.00 13948746

ATTORNEY DOCKET NUMBER:	MI22-5363
NAME OF SUBMITTER:	Mark S. Matkin
Signature:	/Mark S. Matkin/
Date:	07/23/2013
Total Attachments: 7 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif source=Assignment#page5.tif source=Assignment#page6.tif source=Assignment#page7.tif	

ASSIGNMENT

PARTIES TO THE ASSIGNMENT:

INVENTORS:

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United States

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United States

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United States

Haitao Liu
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Boise, ID 83716
United States

ASSIGNEE:

Micron Technology, Inc.
MS 1-525
8000 South Federal Way
Boise, ID 83716
United States

BACKGROUND OF THIS ASSIGNMENT:

Inventors have conceived certain new and useful inventions disclosed in a United States patent application titled Arrays Of Recessed Access Gate Lines, Arrays Of Conductive Lines, Arrays Of Recessed Access Gate Lines And Conductive Lines, Memory Circuitry, Methods Of Forming An Array Of Recessed Access Gate Lines, Methods Of Forming An Array Of Conductive Lines, And Methods Of Forming An Array Of Recessed Access Gate Lines And An Array Of Conductive Lines.

Micron Technology, Inc. (hereinafter referred to as "ASSIGNEE") desires to acquire the entire right, title and interest in said inventions and with respect to any Letters Patent that may be granted with respect to the inventions in both the United States and in all foreign countries.

THE PARTIES AGREE AS FOLLOWS:

In consideration of good and valuable consideration, the receipt, sufficiency and adequacy of which is hereby acknowledged, INVENTORS have sold, assigned and transferred, and by these present do hereby sell, assign and transfer to ASSIGNEE the entire right, title and interest in the above-identified inventions and application and to any reissues, renewals,

divisions or continuations of the application thereof, and hereby authorizes the Commissioner of Patents and Trademarks to issue such Letters Patent to ASSIGNEE for the sole use of ASSIGNEE, its successors or assigns.

INVENTORS further agree to execute, at the request and expense of ASSIGNEE, such other formal documents as may be required to fully convey the interest transferred herein and will similarly execute any patent application papers (foreign or domestic) required for the filing of any divisional, continuation, renewal or reissue of the patent application or resulting Letters Patent; and will generally do everything necessary or desirable to obtain and enforce proper protection for the inventions assigned hereby.

INVENTORS further assign to ASSIGNEE the whole right, title and interest in the inventions disclosed in the application throughout all countries foreign to the United States. ASSIGNEE is hereby authorized to apply for patents relating to the inventions in its own name in countries where such procedure is proper; to claim the benefit of the International Convention; to file and prosecute International Applications relating to the inventions under the Patent Cooperation Treaty; and to file and prosecute applications relating to the inventions under the European Patent Convention. INVENTORS agree to execute applications relating to the inventions in those countries and under those conventions where it is necessary that the same be executed by the inventor, and to execute assignments of such applications and the resulting Letters Patent to

ASSIGNEE as well as all other necessary papers in relation to such applications and Letters Patent. INVENTORS hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country as proof of the right of ASSIGNEE to apply for patent and other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

To be binding on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Dated: 07-17-2013 Signature: *Sanh D. Tang*
Sanh D. Tang

State of Idaho)
County of Ada) ss.

On this 17th day of July, 2013, before me, Diane V. Rangel, Patent Assistant (name and title of Notary Official), personally appeared Sanh D. Tang, known or identified to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed within the Assignment, and acknowledged to me that he/she executed the Assignment in his/her authorized capacity, and that by his/her signature on the Assignment, the person executed the Assignment.

SEAL



Diane V. Rangel
My Commission Expires: 6-30-17

Dated: 07/12/2013

Signature: 
Kamal M. Karda

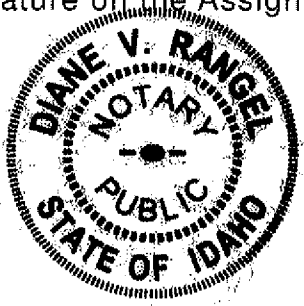
State of Idaho

County of Ada

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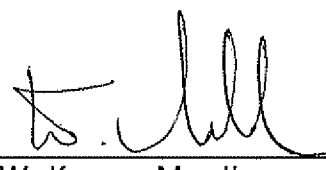
On this 12th day of July, 2013, before me, Diane V. Rangel, Patent Assistant (name and title of Notary Official), personally appeared Kamal M. Karda, known or identified to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed within the Assignment, and acknowledged to me that he/she executed the Assignment in his/her authorized capacity, and that by his/her signature on the Assignment, the person executed the Assignment.

SEAL




My Commission Expires: 6-30-17

Dated: 07/22/2013

Signature: 
Wolfgang Mueller

State of Idaho

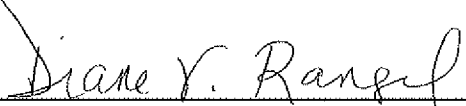
County of Ada

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) ss.
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On this 22nd day of July, 2013, before me, Diane V. Rangel, Patent Assistant (name and title of Notary Official), personally appeared Wolfgang Mueller, known or identified to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed within the Assignment, and acknowledged to me that he/she executed the Assignment in his/her authorized capacity, and that by his/her signature on the Assignment, the person executed the Assignment.

SEAL




My Commission Expires: 6-30-17

Dated: 07/15/13

Signature: *Sourabh Dhir*
Sourabh Dhir

State of Idaho

County of Ada

)
) ss.
)

On this 15th day of July, 2013, before me, Diane V. Rangel, Patent Assistant (name and title of Notary Official), personally appeared Sourabh Dhir, known or identified to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed within the Assignment, and acknowledged to me that he/she executed the Assignment in his/her authorized capacity, and that by his/her signature on the Assignment, the person executed the Assignment.

SEAL



Diane V. Rangel

My Commission Expires: 6-30-17

Dated: 7-22-13

Signature: *Robert Kerr*
Robert Kerr

State of Idaho

County of ada

)
) ss.
)

On this 22nd day of July, 2013, before me, Diane V. Rangel, Patent Assistant (name and title of Notary Official), personally appeared Robert Kerr, known or identified to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed within the Assignment, and acknowledged to me that he/she executed the Assignment in his/her authorized capacity, and that by his/her signature on the Assignment, the person executed the Assignment.

SEAL



Diane V. Rangel

My Commission Expires: 6-30-17

Dated: 07/15/2013

Signature: Sangmin Hwang
Sangmin Hwang

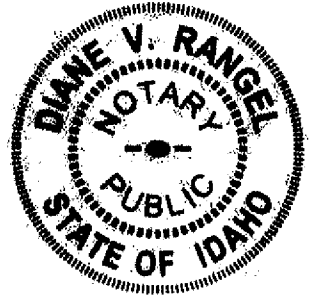
State of Idaho

County of Ada

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SEAL



Diane V. Rangel
My Commission Expires: 6-30-17

Dated: 07-17-2013

Signature: Haitao Liu
Haitao Liu

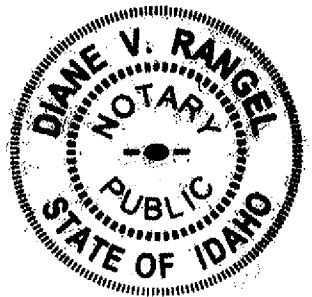
State of Idaho

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