

## 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>Hongqi Li</td> <td>08/20/2013</td> </tr> <tr> <td>Gowrisankar Damarla</td> <td>08/20/2013</td> </tr> <tr> <td>Robert J. Hanson</td> <td>08/20/2013</td> </tr> <tr> <td>Jin Lu</td> <td>08/20/2013</td> </tr> <tr> <td>Shyam Ramalingam</td> <td>08/22/2013</td> </tr> </tbody> </table>		Name	Execution Date	Hongqi Li	08/20/2013	Gowrisankar Damarla	08/20/2013	Robert J. Hanson	08/20/2013	Jin Lu	08/20/2013	Shyam Ramalingam	08/22/2013
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Shyam Ramalingam	08/22/2013												
RECEIVING PARTY DATA													
Name:	Micron Technology, Inc.												
Street Address:	8000 South Federal Way												
Internal Address:	MS 1-525												
City:	Boise												
State/Country:	IDAHO												
Postal Code:	83716												
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>13975722</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13975722								
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CORRESPONDENCE DATA													
Fax Number:	5098383424												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
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ATTORNEY DOCKET NUMBER:	MI22-5382												

OP \$40.00 13975722

NAME OF SUBMITTER:	David G. Latwesen
Signature:	/David G. Latwesen/
Date:	08/26/2013
<b>Total Attachments: 6</b> source=assignment#page1.tif source=assignment#page2.tif source=assignment#page3.tif source=assignment#page4.tif source=assignment#page5.tif source=assignment#page6.tif	

ASSIGNMENT

PARTIES TO THE ASSIGNMENT:

INVENTORS:

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Boise, ID 83716  
United States

Gowrisankar Damarla  
3617 E. Trail Bluff Ln.  
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United States

Robert J. Hanson  
6442 S. Hornbeam Place  
Boise, ID 83716  
United States

Jin Lu  
5126 E. Bandsaw Street  
Boise, ID 83716  
United States

Shyam Ramalingam  
5510 S. Caper Place  
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 Semiconductor Constructions and Methods of Forming Intersecting Lines of Material.

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.

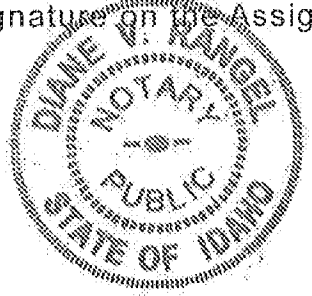
To be binding on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Dated: August 20, 2013 Signature: Hongqi Li  
Hongqi Li

State of Idaho )  
County of Ada ) ss.

On this 20<sup>th</sup> day of August, 2013, before me, Diane V. Rangel, Patent Assistant (name and title of Notary Official), personally appeared Hongqi Li, 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: 08/20/2013 Signature: Gowrisankar Damarla  
Gowrisankar Damarla

State of Idaho )  
County of Ada ) ss.

On this 20<sup>th</sup> day of August, 2013, before me, Diane V. Rangel, Patent Assistant (name and title of Notary Official), personally appeared Gowrisankar Damarla, 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: Aug 20 2013

Signature: *Robert J. Hanson*  
Robert J. Hanson

State of Idaho )

County of Ada ) ss.

On this 20<sup>th</sup> day of August, 2013, before me, Diane V. Rangel, Patent Assistant (name and title of Notary Official), personally appeared Robert J. Hanson, 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: 8/20/2013

Signature: *Jin Lu*  
Jin Lu

State of Idaho )

County of ada ) ss.

On this 20<sup>th</sup> day of August, 2013, before me, Diane V. Rangel, Patent Assistant (name and title of Notary Official), personally appeared Jin Lu, 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: 8/22/13

Signature: [Signature]  
Shyam Ramalingam

State of Idaho )

County of Ada )

) ss.  
)

On this 22nd day of August, 2013, before me, Diane V. Rangel, Patent Assistant (name and title of Notary Official), personally appeared Shyam Ramalingam, 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



[Signature]

My Commission Expires: 6-30-17