

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																		
NATURE OF CONVEYANCE:	ASSIGNMENT																		
<b>CONVEYING PARTY DATA</b>																			
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Andrew Dennis Watson Carswell</td> <td>11/27/2012</td> </tr> <tr> <td>Wayne Hai-Wei Huang</td> <td>11/27/2012</td> </tr> <tr> <td>Siddartha Kondoju</td> <td>11/29/2012</td> </tr> <tr> <td>Jin Lu</td> <td>11/27/2012</td> </tr> <tr> <td>Suresh Ramakrishnan</td> <td>11/30/2012</td> </tr> <tr> <td>Kozaburo Sakai</td> <td>12/10/2012</td> </tr> <tr> <td>Sony Varghese</td> <td>11/28/2012</td> </tr> <tr> <td>Andrey V. Zagrebelny</td> <td>12/01/2012</td> </tr> </tbody> </table>		Name	Execution Date	Andrew Dennis Watson Carswell	11/27/2012	Wayne Hai-Wei Huang	11/27/2012	Siddartha Kondoju	11/29/2012	Jin Lu	11/27/2012	Suresh Ramakrishnan	11/30/2012	Kozaburo Sakai	12/10/2012	Sony Varghese	11/28/2012	Andrey V. Zagrebelny	12/01/2012
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Andrey V. Zagrebelny	12/01/2012																		
<b>RECEIVING PARTY DATA</b>																			
<table border="1"> <tr> <td>Name:</td> <td>Micron Technology, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>8000 South Federal Way</td> </tr> <tr> <td>Internal Address:</td> <td>Mailstop 525</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>83707-0006</td> </tr> </table>		Name:	Micron Technology, Inc.	Street Address:	8000 South Federal Way	Internal Address:	Mailstop 525	City:	Boise	State/Country:	IDAHO	Postal Code:	83707-0006						
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<b>PROPERTY NUMBERS Total: 1</b>																			
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13712635</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13712635														
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<b>CORRESPONDENCE DATA</b>																			
Fax Number:	8015319168																		
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																			
Phone:	801-532-1922																		
Email:	djpfeil@traskbritt.com																		
Correspondent Name:	TRASK BRITT, P.C./ MICRON TECHNOLOGY																		
Address Line 1:	P.O. BOX 2550																		
Address Line 4:	SALT LAKE CITY, UTAH 84110																		

CH \$40.00 13712635

ATTORNEY DOCKET NUMBER:	11505US (2011-0374.00)
NAME OF SUBMITTER:	Jesse M. Flores
<p>Total Attachments: 12</p> <p>source=Dec-12-2012-Assignment-11505US#page1.tif source=Dec-12-2012-Assignment-11505US#page2.tif source=Dec-12-2012-Assignment-11505US#page3.tif source=Dec-12-2012-Assignment-11505US#page4.tif source=Dec-12-2012-Assignment-11505US#page5.tif source=Dec-12-2012-Assignment-11505US#page6.tif source=Dec-12-2012-Assignment-11505US#page7.tif source=Dec-12-2012-Assignment-11505US#page8.tif source=Dec-12-2012-Assignment-11505US#page9.tif source=Dec-12-2012-Assignment-11505US#page10.tif source=Dec-12-2012-Assignment-11505US#page11.tif source=Dec-12-2012-Assignment-11505US#page12.tif</p>	

**ASSIGNMENT**

**FOR GOOD AND VALUABLE CONSIDERATION**, the receipt, sufficiency and adequacy of which are hereby acknowledged, each undersigned ASSIGNOR does hereby:

**SELL, ASSIGN AND TRANSFER** to Micron Technology, Inc. ("ASSIGNEE"), an individual residing at 8000 South Federal Way, Mailstop 525, Boise, ID 83707-0006, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the Application for United States Letters Patent, which has been executed by each undersigned ASSIGNOR concurrently herewith entitled **METHOD OF FORMING A PLANAR SURFACE FOR A SEMICONDUCTOR DEVICE STRUCTURE, AND RELATED METHODS OF FORMING A SEMICONDUCTOR DEVICE STRUCTURE**, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent or the legal equivalent thereof which have been or may be filed in the United States and all foreign countries relating to any of such improvements; all original, reexamined and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application made in the United States;

**AUTHORIZE** the ASSIGNEE to apply for and receive any and all United States and foreign patents relating to such improvements in its own name;


**AUTHORIZE AND REQUEST** the issuing authority to issue any and all United States and foreign patents granted on such improvements to and in the name of the ASSIGNEE;

**WARRANT AND COVENANT** that no assignment, grant, mortgage, license or other agreement or encumbrance affecting the rights and property herein conveyed has been or will be made or entered into by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

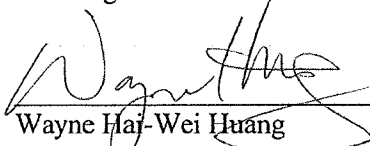
**COVENANT**, when requested and at the expense of the ASSIGNEE, to carry out in good faith the intent and purpose of this assignment, to execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications relating to any and all such improvements; to execute all rightful oaths, declarations, assignments, powers of attorney and other papers; to communicate to the ASSIGNEE all facts and provide to the ASSIGNEE all documents and things known and accessible to the undersigned relating to such improvements and the history thereof, and testify as to the same in any interference, litigation or other proceeding relating thereto; and generally to do everything possible which the ASSIGNEE shall consider desirable for vesting title to such improvements in the ASSIGNEE, and to secure, maintain, defend and enforce valid and enforceable patent protection for such improvements;

AGREE AND ACKNOWLEDGE that the SALE, ASSIGNMENT AND TRANSFER of rights and property set forth herein is and shall be IRREVOCABLE and BINDING upon the heirs, assigns, representatives and successors of each undersigned ASSIGNOR and EXTEND to the successors, assigns and nominees of the ASSIGNEE.


ASSIGNORS:

  
\_\_\_\_\_  
Andrew Dennis Watson Carswell  
Residing at: 8456 West Sundisk Street, Boise, ID 83714

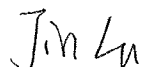
Date 11/27/12

  
\_\_\_\_\_  
Wayne Hai-Wei Huang  
Residing at: 9905 West Countryman Drive, Boise, ID 83709

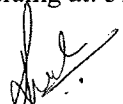
Date 11/27/2012

  
\_\_\_\_\_  
Siddhartha Kondoju  
Residing at: 605 Jackson Street, Boise, ID 83705

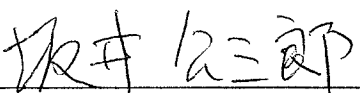
Date 11/29/2012

  
\_\_\_\_\_  
Jin Lu  
Residing at: 5126 East Bandsaw Street, Boise, ID 83716

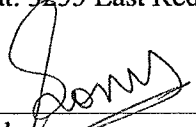
Date 11/27/2012

  
\_\_\_\_\_  
Suresh Ramakrishnan  
Residing at: 5601 South Caper Place, Boise, ID 83716

Date 11/30/2012

  
\_\_\_\_\_  
Kozaburo Sakai  
Residing at: 3255 East Red Stone Drive, Boise, ID 83712

Date 12/10/2012

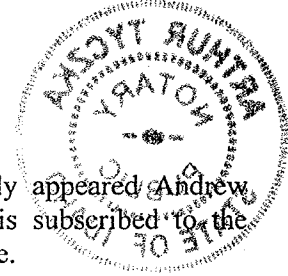
  
\_\_\_\_\_  
Sony Varghese  
Residing at: 3290 South Gekeler Lane, Apt L106, Boise, ID 83706

Date 11/28/12

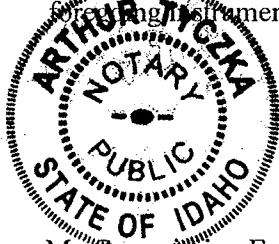
Date \_\_\_\_\_

Andrey V. Zagrebelny  
Residing at: 1696 Galway Lane, Eagan, MN 55122

COUNTY OF Ada )  
: ss.  
STATE OF Idaho )



On this 27<sup>th</sup> day of November, 2012, before me personally appeared Andrew Dennis Watson Carswell to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.



*Arthur Tyczka*

Notary Public in and for said County and State

My Commission Expires:

March 15, 2018

COUNTY OF Ada )  
: ss.  
STATE OF Idaho )

On this 27<sup>th</sup> day of November, 2012, before me personally appeared Wayne Hai-Wei Huang to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

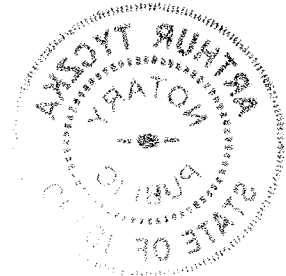


*Arthur Tyczka*

Notary Public in and for said County and State

My Commission Expires:

March 15, 2018



COUNTY OF Ada )  
 : ss.  
STATE OF Idaho )

On this 29<sup>th</sup> day of November, 2012, before me personally appeared Siddartha Kondoju to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.



My Commission Expires:

March 15, 2018

A handwritten signature in cursive script, appearing to read 'Arthur Tyczka', written over a horizontal line.

Notary Public in and for said County and State



COUNTY OF Ada )  
 : ss.  
STATE OF Idaho )

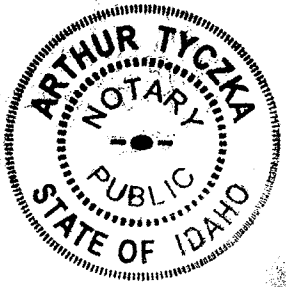
On this 27<sup>th</sup> day of November, 2012, before me personally appeared Jin Lu to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

My Commission Expires:

March 15, 2018

A handwritten signature in cursive script, appearing to read 'Arthur Tyczka', written over a horizontal line.

Notary Public in and for said County and State



COUNTY OF Ada )  
 : ss.  
STATE OF Idaho )

On this 30<sup>th</sup> day of November, 2012, before me personally appeared Suresh Ramakrishnan to me known to be the person whose name is subscribed to the foregoing instrument, and he acknowledged to me that he/she executed the same.



*Arthur Tyczka*

Notary Public in and for said County and State



My Commission Expires:  
March 15, 2018

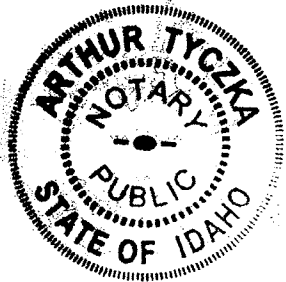
COUNTY OF Ada )  
 : ss.  
STATE OF Idaho )

On this 10<sup>th</sup> day of December, 2012, before me personally appeared Kozaburo Sakai to me known to be the person whose name is subscribed to the foregoing instrument, and he acknowledged to me that he/she executed the same.

*Arthur Tyczka*

Notary Public in and for said County and State

My Commission Expires:  
March 15, 2018

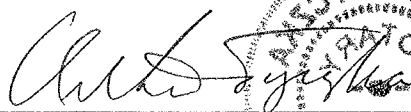


COUNTY OF Ada )  
 : ss.  
STATE OF Idaho )

On this 28<sup>th</sup> day of November, 2012, before me personally appeared Sony Varghese to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.



My Commission Expires:  
March 10 2018

  
\_\_\_\_\_  
Notary Public in and for said County and State

COUNTY OF )  
 : ss.  
STATE OF )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2012, before me personally appeared Andrey V. Zagrebelny to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

\_\_\_\_\_  
Notary Public in and for said County and State

My Commission Expires:  
\_\_\_\_\_





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Andrew Dennis Watson Carswell  
Residing at: 8456 West Sundisk Street, Boise, ID 83714  
Date \_\_\_\_\_

\_\_\_\_\_  
Wayne Hai-Wei Huang  
Residing at: 9905 West Countryman Drive, Boise, ID 83709  
Date \_\_\_\_\_

\_\_\_\_\_  
Siddartha Kondoju  
Residing at: 605 Jackson Street, Boise, ID 83705  
Date \_\_\_\_\_

\_\_\_\_\_  
Jin Lu  
Residing at: 5126 East Bandsaw Street, Boise, ID 83716  
Date \_\_\_\_\_

\_\_\_\_\_  
Suresh Ramakrishnan  
Residing at: 5601 South Caper Place, Boise, ID 83716  
Date \_\_\_\_\_

\_\_\_\_\_  
Kozaburo Sakai  
Residing at: 3255 East Red Stone Drive, Boise, ID 83712  
Date \_\_\_\_\_

\_\_\_\_\_  
Sony Varghese  
Residing at: 3290 South Gekeler Lane, Apt L106, Boise, ID 83706  
Date \_\_\_\_\_

Andrey V. Zagrebely  
Andrey V. Zagrebely  
Residing at: 1696 Galway Lane, Eagan, MN 55122

Date 12/01/12

COUNTY OF DAKOTA )  
: ss.  
STATE OF MINNESOTA )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2012, before me personally appeared Andrew Dennis Watson Carswell to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

\_\_\_\_\_  
Notary Public in and for said County and State

My Commission Expires:

\_\_\_\_\_

COUNTY OF \_\_\_\_\_ )  
: ss.  
STATE OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2012, before me personally appeared Wayne Hai-Wei Huang to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

\_\_\_\_\_  
Notary Public in and for said County and State

My Commission Expires:

\_\_\_\_\_

COUNTY OF )  
: ss.  
STATE OF )

On this \_\_\_\_ day of \_\_\_\_\_, 2012, before me personally appeared Siddartha Kondoju to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

\_\_\_\_\_  
Notary Public in and for said County and State

My Commission Expires:

\_\_\_\_\_

COUNTY OF )  
: ss.  
STATE OF )

On this \_\_\_\_ day of \_\_\_\_\_, 2012, before me personally appeared Jin Lu to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

\_\_\_\_\_  
Notary Public in and for said County and State

My Commission Expires:

\_\_\_\_\_

COUNTY OF )  
: ss.  
STATE OF )

On this \_\_\_\_ day of \_\_\_\_\_, 2012, before me personally appeared Suresh Ramakrishnan to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

\_\_\_\_\_  
Notary Public in and for said County and State

My Commission Expires:

\_\_\_\_\_

COUNTY OF )  
: ss.  
STATE OF )

On this \_\_\_\_ day of \_\_\_\_\_, 2012, before me personally appeared Kozaburo Sakai to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

\_\_\_\_\_  
Notary Public in and for said County and State

My Commission Expires:

\_\_\_\_\_

COUNTY OF )  
 : ss.  
STATE OF )

On this \_\_\_\_ day of \_\_\_\_\_, 2012, before me personally appeared Sony Varghese to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

\_\_\_\_\_  
Notary Public in and for said County and State

My Commission Expires:  
\_\_\_\_\_

Witness for Andrey V. Zagrebelny:

Signature: H. Stadniychuk

Date 12/1/12

Printed Name: Helena Stadniychuk

Address: 1696 Galway Ln  
Sagan  
MN 55122