

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>Aaron Yip</td> <td>06/17/2013</td> </tr> <tr> <td>Qiang Tang</td> <td>06/25/2013</td> </tr> <tr> <td>Chang Wan Ha</td> <td>06/24/2013</td> </tr> </tbody> </table>		Name	Execution Date	Aaron Yip	06/17/2013	Qiang Tang	06/25/2013	Chang Wan Ha	06/24/2013
Name	Execution Date								
Aaron Yip	06/17/2013								
Qiang Tang	06/25/2013								
Chang Wan Ha	06/24/2013								
RECEIVING PARTY DATA									
Name:	Micron Technology, Inc.								
Street Address:	8000 South Federal Way								
Internal Address:	Mailstop 525								
City:	Boise								
State/Country:	IDAHO								
Postal Code:	83707-0006								
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>13932551</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13932551				
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Application Number:	13932551								
CORRESPONDENCE DATA									
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								
ATTORNEY DOCKET NUMBER:	11818US (2013-0030.00)								
NAME OF SUBMITTER:	Stephen E. Pulley								
Signature:	/Stephen E. Pulley/								

Date:

07/01/2013

Total Attachments: 4

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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"), a corporation of the state of Delaware having a place of business 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 **SEMICONDUCTOR DEVICES INCLUDING STAIR STEP STRUCTURES, AND RELATED METHODS**, 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:

[Signature]
Aaron Yip
Residing at: 254 Vista de Sierra, Los Gatos, CA 95030

Date June 17, 2013

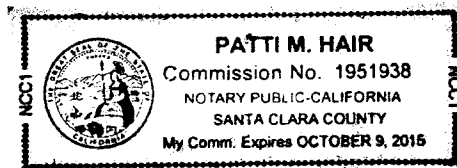
COUNTY OF Santa Clara
STATE OF California : ss.


On this 17th day of June, 2013, before me personally appeared Aaron Yip 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.

[Signature]
Notary Public in and for said County and State

My Commission Expires:

October 9, 2015



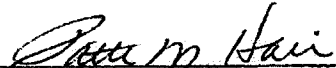


Qiang Tang
Residing at: 21877 Corte Madera Lane, Cupertino, CA 95014

Date 6/25/2013

COUNTY OF)
) : ss.
STATE OF)

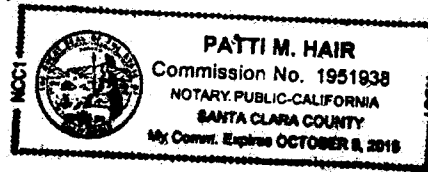
On this 25th day of June 25, 2013, before me personally appeared Qiang Tang to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.



Notary Public in and for said County and State

My Commission Expires:

October 9, 2015



Chang Wan Ha

Date 6/27/13

Chang Wan Ha
Residing at: 5656 Lysander Way, San Ramon, CA 94582

COUNTY OF Santa Clara
: ss.
STATE OF California)

On this 24th day of June, 2013, before me personally appeared Chang Wan Ha 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.

Patti M. Hair
Notary Public in and for said County and State

My Commission Expires:
October 9, 2015

