

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>Gurtej S. Sandhu</td> <td>08/31/2012</td> </tr> <tr> <td>Witold Kula</td> <td>09/06/2012</td> </tr> <tr> <td>Wayne I. Kinney</td> <td>08/28/2012</td> </tr> </tbody> </table>		Name	Execution Date	Gurtej S. Sandhu	08/31/2012	Witold Kula	09/06/2012	Wayne I. Kinney	08/28/2012
Name	Execution Date								
Gurtej S. Sandhu	08/31/2012								
Witold Kula	09/06/2012								
Wayne I. Kinney	08/28/2012								
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>13614212</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13614212				
Property Type	Number								
Application Number:	13614212								
CORRESPONDENCE DATA									
Fax Number:	8015319168								
Phone:	801-532-1922								
Email:	djpfeil@traskbritt.com								
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
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:	11418US (2011-0944.00)								
NAME OF SUBMITTER:	Elizabeth Herbst Schierman								
Total Attachments: 6									

CH \$40.00 13614212

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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 **METHODS OF FORMING MEMORY CELLS AND ARRAYS OF MAGNETIC MEMORY CELL STRUCTURES, AND RELATED MEMORY CELLS AND MEMORY CELL STRUCTURES**, 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:

Gurtej S. Sandhu
Gurtej S. Sandhu
Residing at: 2964 East Parkriver Drive, Boise, ID 83706

Date Aug 31, 2012

Witold Kula
Witold Kula
Residing at: 135 South Pastoria Avenue, Sunnyvale, CA 94086

Date _____

Wayne I. Kinney
Wayne I. Kinney
Residing at: 7506 Upper Avenue, Emmett, ID 83617

Date Aug 28, 2012

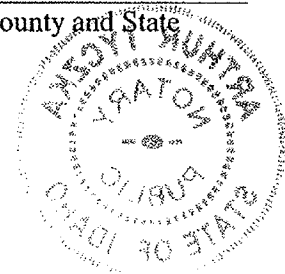
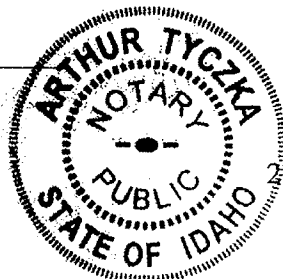
COUNTY OF Ada)
STATE OF Idaho) : ss.

On this 31st day of August, 2012, before me personally appeared Gurtej S. Sandhu 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 18, 2018



COUNTY OF)
: ss.
STATE OF)


On this ____ day of _____, 2012, before me personally appeared Witold Kula 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 *Ada*)
: ss.
STATE OF *Idaho*)

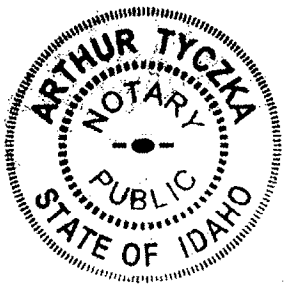
On this 28th day of August, 2012, before me personally appeared Wayne I. Kinney to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.



Notary Public in and for said County and State

My Commission Expires:

March 15, 2018



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 **METHODS OF FORMING MEMORY CELLS AND ARRAYS OF MAGNETIC MEMORY CELL STRUCTURES, AND RELATED MEMORY CELLS AND MEMORY CELL STRUCTURES**, 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;

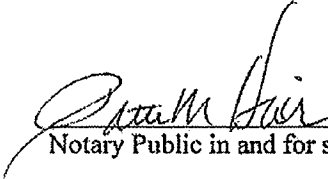
AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to and in the name of the ASSIGNEE;

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;

COUNTY OF)
 : ss.
STATE OF)

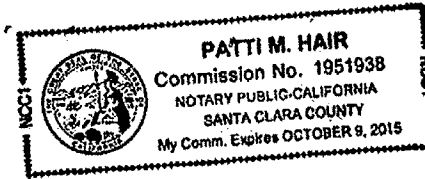
On this 6th day of September, 2012, before me personally appeared Witold Kula to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.



Notary Public in and for said County and State

My Commission Expires:

October 9, 2015



COUNTY OF)
 : ss.
STATE OF)

On this ____ day of _____, 2012, before me personally appeared Wayne I. Kinney 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:
