

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4994734

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
FEI WANG	05/02/2018
KUNAL SHROTRI	05/02/2018
JEFFERY B. HULL	05/02/2018
ANISH A. KHANDEKAR	05/02/2018
DUO MAO	05/03/2018
ZHIXIN XU	03/27/2018
EE EE ENG	05/31/2018
JIE LI	05/02/2018
DONG LIANG	05/02/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MICRON TECHNOLOGY, INC.
<b>Street Address:</b>	8000 SOUTH FEDERAL WAY, MS 1- 525
<b>City:</b>	BOISE
<b>State/Country:</b>	IDAHO
<b>Postal Code:</b>	83716
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15957594
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(509)838-3424
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	509-624-4276
<b>Email:</b>	docketing@wellsstjohn.com
<b>Correspondent Name:</b>	WELLS ST. JOHN, P.S.
<b>Address Line 1:</b>	601 W. MAIN AVENUE
<b>Address Line 2:</b>	SUITE 600
<b>Address Line 4:</b>	SPOKANE, WASHINGTON 99201
<b>ATTORNEY DOCKET NUMBER:</b>	MI22-6398
<b>NAME OF SUBMITTER:</b>	BRIDGET WISEMAN

PATENT

<b>SIGNATURE:</b>	/Bridget Wiseman/
<b>DATE SIGNED:</b>	06/06/2018
<b>Total Attachments: 12</b> source=6398_Assignment#page1.tif source=6398_Assignment#page2.tif source=6398_Assignment#page3.tif source=6398_Assignment#page4.tif source=6398_Assignment#page5.tif source=6398_Assignment#page6.tif source=6398_Assignment#page7.tif source=6398_Assignment#page8.tif source=6398_Assignment#page9.tif source=6398_Assignment#page10.tif source=6398_Assignment#page11.tif source=6398_Assignment#page12.tif	

ASSIGNMENT

PARTIES TO THE ASSIGNMENT:

INVENTORS:

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2808 S. Wise Way  
Boise, ID 83716  
United States

Kunal Shrotri  
4297 S. Redhawk Pl.  
Boise, ID 83716  
United States

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1394 E. Holly Street  
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United States

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United States

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Singapore

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United States

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United States

Dong Liang  
6485 S. Mangrove Pl.  
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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 entitled "A Programmable Charge Storage Transistor, An Array Of Elevationally-Extending Strings Of Memory Cells, Methods Of Forming  $\text{Si}_3\text{N}_x$ , Methods Of Forming Insulator Material That Is Between A Control Gate And Charge-Storage Material Of A Programmable Charge-Storage Transistor, Methods Of Forming An Array Of Elevationally-Extending Strings Of Memory Cells, A Programmable Charge-Storage Transistor Manufactured In Accordance With Methods, And An Array Of Elevationally-Extending Strings . . .", US Patent Application Serial No. 15/957,594 filed on April 19, 2018.

Micron Technology, Inc. (hereinafter referred to as "ASSIGNEE") desires to acquire and/or memorialize acquisition of the entire right, title and interest in said inventions and with respect to any Letters Patent that may be granted with respect to said 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 patent application and to any reissues, renewals, divisions or continuations of the patent application thereof, and hereby authorizes the Commissioner of Patents and Trademarks to issue all resulting Letters Patents to ASSIGNEE for the sole use and commercial exploration 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 Patents to ASSIGNEE as well as all other necessary papers in relation to such applications and Letters Patents. 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: 05/02/18

Signature: *Fei Wang*  
Fei Wang

State of Idaho

County of Ada

)  
) ss.  
)

On this 2nd day of May, 2018, before me, Diane V. Rangel (name and title of Notary Official), personally appeared Fei Wang, 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: 6-30-23

Dated: 5/2/2018

Signature:   
Kunal Shrotri

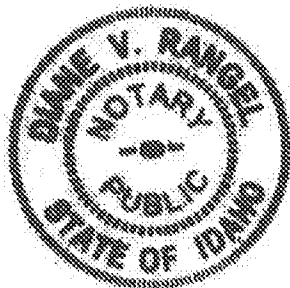
State of Idaho

County of Ada

)  
) ss.  
)

On this 2nd day of May, 2018, before me, Diane V. Rangel (name and title of Notary Official), personally appeared Kunal Shrotri, 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: 6-30-23

Dated: 02 May 19

Signature: \_\_\_\_\_

Jeffery B. Hull

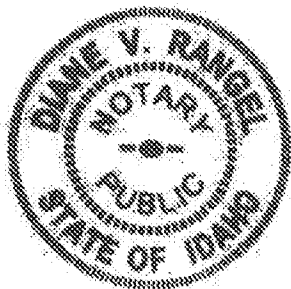
State of Idaho

County of Ada

)  
) ss,  
)

On this 2nd day of May, 2018, before me, Diane V. Rangel (name and title of Notary Official), personally appeared Jeffery B. Hull, 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: 6-30-23



Dated: 5/2/2018

Signature: [Signature]  
Anish A. Khandekar

State of Idaho

County of Ada

)  
) ss.  
)

On this 2nd day of May, 2018, before me, Diane V. Rangel (name and title of Notary Official), personally appeared Anish A. Khandekar, 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: 6-30-23

Dated: 5/3/2018

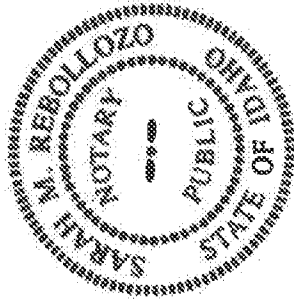
Signature: Duo Mao  
Duo Mao

State of Idaho )  
County of Ada ) ss.

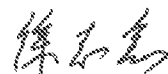
On this 3<sup>rd</sup> day of May, 2018, before me, Sarah M. Rebollozo (name and title of Notary Official), personally appeared Duo Mao, known or identified to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed within the Assignment, and acknowledged 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

Sarah M. Rebollozo  
My Commission Expires: 6/16/2023

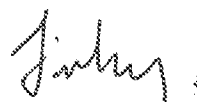


Dated: Mar 27 2018

Signature:   
Zhixin XU

WITNESS:

Dated: Mar 27 2018

Signature:   
Printed Name: William Chia  
Address: Apt 81K 276A BISHAN ST 24  
# 21-116 SINGAPORE (S71275)

Dated: 05-31-18

Signature: \_\_\_\_\_

Ee Ee Eng

State of Idaho

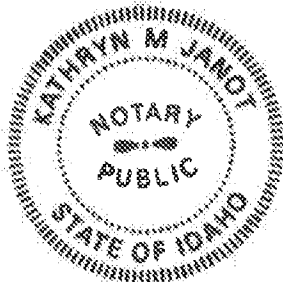
County of US

)  
) ss.  
)


On this 31st day of May, 2018, before me, Kathryn M Janot (name and title of Notary Official), personally appeared Ee Ee Eng, 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

Kathryn M Janot  
My Commission Expires: 07/17/2023



Dated: 5/2/18

Signature: 

Jie Li

State of Idaho

County of Ada

)  
) ss.  
)

On this 2nd day of May, 2018, before me, Diane Rangel (name and title of Notary Official), personally appeared Jie 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



  
My Commission Expires: 6-30-23

Dated: 05/02/2018

Signature: *Dong Liang*  
Dong Liang

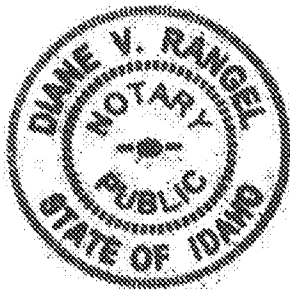
State of Idaho

County of Ada

)  
) ss.  
)

On this 2nd day of May, 2018, before me, Diane Rangel (name and title of Notary Official), personally appeared Dong Liang, 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: 6-30-23