

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HONG LI	10/01/2018
RAMASWAMY ISHWAR VENKATANARAYANAN	10/01/2018
SANH D. TANG	09/07/2018
ERICA L. POELSTRA	10/02/2018
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	
Property Type	Number
Application Number:	16150412
CORRESPONDENCE DATA	
Fax Number:	(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>	
Phone:	509-624-4276
Email:	docketing@wellsstjohn.com
Correspondent Name:	WELLS ST. JOHN, P.S.
Address Line 1:	601 W. MAIN AVENUE
Address Line 2:	SUITE 600
Address Line 4:	SPOKANE, WASHINGTON 99201
ATTORNEY DOCKET NUMBER:	MI22-6572
NAME OF SUBMITTER:	CHERYL A. THOMPSON
SIGNATURE:	/Cheryl A. Thompson/
DATE SIGNED:	10/03/2018
Total Attachments: 7	

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ASSIGNMENT

PARTIES TO THE ASSIGNMENT:

INVENTORS:

Hong Li
5622 E. Gateway Drive
Boise, ID 83716
United States

Ramaswamy Ishwar Venkatanarayanan
8278 W Limelight Street
Apt 107
Garden City, ID 83714
United States

Sanh D. Tang
2725 E. Deer Flat Road
Kuna, ID 83634
United States

Erica L. Poelstra
6672 S. Red Shine Way
Boise, ID 83709
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 Methods of Forming Integrated

Assemblies Having Conductive Material Along Sidewall Surfaces of Semiconductor Pillars.

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(s) 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 patent application(s) and to any reissues, renewals, divisions or continuations of the application(s) thereof, and hereby authorizes the Commissioner of Patents and Trademarks to issue such Letters Patent(s) 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(s) or resulting Letters Patent(s); 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(s) 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 application(s) 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(s) to ASSIGNEE as well as all other necessary papers in relation to such applications and Letters Patent(s). 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: 10/1/2018

Signature: 
Hong Li

Dated: 10/1/18

Signature: 
Ramaswamy Ishwar Venkatanarayanan

Dated: 09-07-2018

Signature: _____


Sanh D. Tang

Dated: 10/2/18

Signature: *Erica L. Poelstra*
Erica L. Poelstra