

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5980219

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HUA TAN	04/16/2019
JINGXUN ERIC WU	04/16/2019
YINGYING ZHU	04/16/2019
HUI YANG	04/16/2019
BO ZHOU	04/16/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MICRON TECHNOLOGY, INC.
<b>Street Address:</b>	8000 SO. FEDERAL WAY
<b>City:</b>	BOISE
<b>State/Country:</b>	IDAHO
<b>Postal Code:</b>	83716-9632
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>PCT Number:</b>	CN2018124807
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(612)339-3061
<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>	612-373-6900
<b>Email:</b>	request@slwip.com
<b>Correspondent Name:</b>	SCHWEGMAN LUNDBERG & WOESSNER, P.A.
<b>Address Line 1:</b>	P.O. BOX 2938
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55402-0938
<b>ATTORNEY DOCKET NUMBER:</b>	303.131WO1
<b>NAME OF SUBMITTER:</b>	JULIE A. NELSON
<b>SIGNATURE:</b>	/ Julie A. Nelson /
<b>DATE SIGNED:</b>	02/25/2020
<b>Total Attachments: 8</b>	
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RECORDATION FORM COVER SHEET  
PATENTS ONLY

Atty Ref/Docket No.: 303.I31WO1

Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Hua Tan, Jingxun Eric Wu, Yingying Zhu, Hui Yang, Bo Zhou

Additional name(s) of conveying party(ies) attached?

Yes  No

3. Nature of conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other

Execution Date: April 16, 2019, April 16, 2019, April 16, 2019, April 16, 2019, April 16, 2019

2. Name and address of receiving party(ies):

Name: Micron Technology, Inc.

Street Address: 8000 So. Federal Way

City: Boise State: ID Zip: 83716-9632

Country: United States of America

Additional name(s) & address(es) attached?  Yes  No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

Serial No. PCT/CN2018/124807

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Paul J. Urbanski

Address:

Schwegman Lundberg & Woessner, P.A.  
P.O. Box 2938  
Minneapolis, Minnesota 55402

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):\$ 0.00

Enclosed

Authorized to be charged to deposit account 19-0743

8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Paul J. Urbanski/Reg. No. 58,351

Name of Person Signing

Paul J. Urbanski

Signature

February 11, 2020

Date

Total number of pages including cover sheet: 8

Mail documents to be recorded with required cover sheet information to:

**Commissioner of Patents and Trademarks**  
**Mail Stop Assignment Recordation Services**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

**PATENT**  
**REEL: 051917 FRAME: 0395**

**ASSIGNMENT**

WHEREAS, Hua Tan, Jingxun Eric Wu, Yingying Zhu, Hui Yang and Bo Zhou (hereinafter the "Undersigned") have made one or more inventions and other subject matter (hereinafter collectively referred to as the "Invention"); as described in the patent application filed on December 28, 2018, assigned PCT application serial number PCT/CN2018/124807, and titled MEMORY WITH IMPROVED CROSS TEMPERATURE RELIABILITY AND READ PERFORMANCE and as described in a patent application filed on <<priorfiledDate>> assigned United States application serial number, and titled MEMORY WITH IMPROVED CROSS TEMPERATURE RELIABILITY AND READ PERFORMANCE.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged by the Undersigned, the Undersigned do hereby irrevocably and unconditionally:

CONVEY, ASSIGN, AND TRANSFER to Micron Technology, Inc. (the "Assignee"), a corporation of the State of Delaware, having a place of business at 8000 So. Federal Way, Boise, ID 83716-9632, the Undersigned's entire right, title, and interest for the United States and all foreign countries and jurisdictions in and to:

the invention which is disclosed in the above-identified application or applications;

such application or applications, and all divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other applications for a patent or patents which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries and jurisdictions based in whole or in part on any of such Invention (including any application for a utility model or an innovation patent application);

all original and reissued patents which have been or shall be issued in the United States and all foreign countries and jurisdictions based in whole or in part on any of such Invention;

including the right to claim priority to the above-identified patent application or applications in relation to subject matter based in whole or in part on the above-identified patent application or applications and any of the foregoing including the right to file foreign applications under the provisions of any convention or treaty;

and including the right to all causes of action, remedies, and other enforcement rights related to the above-identified application or applications, including without limitation the right to sue for past, present, or future infringement, misappropriation, or violation of any and all rights related to the above-identified patent application or applications and any of the foregoing, including the right to obtain and collect damages for past, present, or future infringement;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such Invention to the Assignee;

AUTHORIZE AND REQUEST that any attorney associated with U.S. Patent and Trademark Office (USPTO) Customer No. 73115 may (directly or through his/her designee) delete, insert, or alter any

**Assignment**

Assignors: Hua Tan et al.

Title: MEMORY WITH IMPROVED CROSS TEMPERATURE RELIABILITY AND READ PERFORMANCE

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Docket No: 303.I31WO1  
Client Ref. No. 2018-1808.00/PC

information related to the above-identified patent application or applications or any of the foregoing, after execution of this Assignment;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or shall be made to others by the Undersigned, and that the full right to convey the same as herein expressed is possessed by the Undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the Undersigned shall (1) execute all provisional, non-provisional, divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other patent applications for the Invention; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers for the Invention; (3) communicate to the Assignee all facts known to the Undersigned relating to the Invention and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for the Invention; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such Invention in the Assignee, or for securing, maintaining and enforcing proper patent protection for the Invention;

COVENANT, that should any provision of this agreement be held unenforceable by an authority of competent jurisdiction, such a ruling shall not affect the validity and enforceability of the remaining provisions.

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives, and successors of the Undersigned, and is to extend to the benefit of the successors, assigns, and nominees of the Assignee.

AGREED as of the date of my signature below:

Assignment

Assignors: Hua Tan et al.

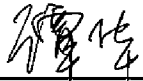
Title: MEMORY WITH IMPROVED CROSS TEMPERATURE RELIABILITY AND READ PERFORMANCE

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Docket No: 303.131WO1  
Client Ref. No. 2018-1808.00/PC

Assignor:

(Signature):

 Brian Tan

Name: Hua Tan

City/State: Shanghai, China

Date:

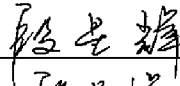
4/16/2019

WITNESSES:

Dated

4/16/2019

Signature



Printed Name

李进 (Jingle)

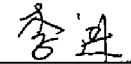
Address

Xing Lian Hi-Tech Park Building  
No. 1 NO.1535, Hong Mei Road, Shanghai, China.

Dated

4/16/2019

Signature

 (Jingle)

Printed Name

李进 (Jingle)

Address

Xing Lian Hi-Tech Park Building  
No. 1 NO.1535, Hong Mei Road, Shanghai, China

Assignment

Assignors: Hua Tan et al.

Title: MEMORY WITH IMPROVED CROSS TEMPERATURE RELIABILITY AND READ PERFORMANCE

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Docket No: 303.131 WO1

Client Ref. No. 2018-1808.00/PC

Assignor:

(Signature):



Name: Jingxun Eric Wu

City/State: Singapore, Singapore

Date:

4/16/2019

WITNESSES:

Dated

4/16/2019

Signature



Printed Name

CHENG RUBIN

Address

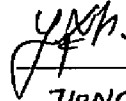
Edgeclaire Plains Bldg 661C

#06-640 SC823661

Dated

4/16/2019

Signature



Printed Name

TIONG XIN FERN

Address

BLK 60, CHESTNUT AVE,

#02-06, S 679517

Assignment

Assignors: Hua Tan et al.

Title: MEMORY WITH IMPROVED CROSS TEMPERATURE RELIABILITY AND READ PERFORMANCE

Page 5 of 7

Docket No: 303.131WO1

Client Ref. No. 2018-1808.00/PC

Assignor:

(Signature):

朱盈颖 (Yingying Zhu)

Name: Yingying Zhu

City/State: Shanghai, China

Date:

04/16/2019

WITNESSES:

Dated

4/17/2019

Signature

蔡雪 (Daisy Cai)

Printed Name

Daisy Cai

Address

Xing Lian Hi-Tech Park

Building No. 1, No. 1535, Hong Mei Road, Shanghai City, China

Dated

4/16/2019

Signature

郭贵怡 (Canda Guo)

Printed Name

Canda Guo

Address

Xing Lian Hi-Tech Park

Building No. 1 No. 1535 Hong Mei Road, Shanghai  
China



Assignment

Assignors: Hua Tan et al.

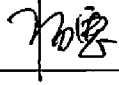
Title: MEMORY WITH IMPROVED CROSS TEMPERATURE RELIABILITY AND READ PERFORMANCE

Page 6 of 7

Docket No: 303J31WO1  
Client Ref. No. 2018-1808.00/PC

Assignor:

(Signature):



2019.4.16

Name: Hui Yang

City/State: Shanghai, China

Date:

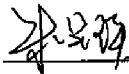
2019.4.16

WITNESSES:

Dated

4/17/2019

Signature

 (Monica Zhu)

Printed Name

Monica Zhu

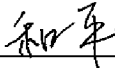
Address

Xin Lian Hi-Tech Park, Bld. 1, No. 1535  
Hongmei Rd, SH, CHINA

Dated

4/17/2019

Signature



Printed Name

He Ping

Address

Xin Lian Hi-Tech park Bld. 1 No. 1535  
Hongmei Rd, SH, CHINA

Assignment

Assignors: Hua Tan et al.

Title: MEMORY WITH IMPROVED CROSS TEMPERATURE RELIABILITY AND READ PERFORMANCE

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Docket No: 303.131WO1  
Client Ref. No. 2018-1808.00/PC

Assignor:

(Signature):

周波 Bo Zhou

Name: Bo Zhou

City/State: Shanghai, China

Date:

4/16/2019

WITNESSES:

Dated

4/16/2019

Signature

蔡雪 Daisy Cai

Printed Name

蔡雪 Daisy Cai

Address

Xing Lian Hi-Tech Park Building  
No. 1, No. 1535, Hong Mei Road, Shanghai, China.

Dated

4/16/2019

Signature

姜维 Wayne Jiang

Printed Name

姜维 Wayne Jiang

Address

Xing Lian Hi-Tech Park Building No. 1,  
No. 1535, Hong Mei Road, Shanghai, China