

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5425785

|   |   |
|---|---|
| <b>SUBMISSION TYPE:</b>   | CORRECTIVE ASSIGNMENT   |
| <b>NATURE OF CONVEYANCE:</b>  | Corrective Assignment to correct the APPLICATION NUMBER TO 16/215,267 previously recorded on Reel 047747 Frame 0821. Assignor(s) hereby confirms the CHANGE IN THE RECORDATION. |
| <b>CONVEYING PARTY DATA</b>   |   |
| <b>Name</b>   | <b>Execution Date</b>   |
| CHARLES S. KWONG  | 12/07/2018  |
| TINGJUN XIE   | 12/06/2018  |
| ZHENLEI SHEN  | 12/10/2018  |
| SAI KRISHNA MYLAVARAPU  | 12/10/2018  |
| ZHENGANG CHEN   | 12/07/2018  |
| <b>RECEIVING PARTY DATA</b>   |   |
| <b>Name:</b>  | MICRON TECHNOLOGY, INC.   |
| <b>Street Address:</b>  | 8000 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>   |
| Application Number:   | 16215267  |
| <b>CORRESPONDENCE DATA</b>  |   |
| <b>Fax Number:</b>  |   |
| <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>Email:</b>   | tkellogg@lowenstein.com   |
| <b>Correspondent Name:</b>  | PATENT DOCKET ADMINISTRATOR   |
| <b>Address Line 1:</b>  | LOWENSTEIN SANDLER LLP  |
| <b>Address Line 2:</b>  | ONE LOWENSTEIN DRIVE  |
| <b>Address Line 4:</b>  | ROSELAND, NEW JERSEY 07068  |
| <b>ATTORNEY DOCKET NUMBER:</b>  | 34300.85 (L0085)  |
| <b>NAME OF SUBMITTER:</b>   | KEVIN O. GRANGE   |
| <b>SIGNATURE:</b>   | /Kevin O. Grange/   |
| <b>DATE SIGNED:</b>   | 03/18/2019  |
| <b>Total Attachments: 5</b>   |   |

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source=2018-1352.00US (34300.85 (L0085)) Assignment#page2.tif

source=2018-1352.00US (34300.85 (L0085)) Assignment#page3.tif

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## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5277999

|   |                                |                       |
|---|--------------------------------|-----------------------|
| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                 |                       |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                     |                       |
| <b>CONVEYING PARTY DATA</b>   |                                |                       |
|   | <b>Name</b>                    | <b>Execution Date</b> |
|   | CHARLES S. KWONG               | 12/07/2018            |
|   | TINGJUN XIE                    | 12/06/2018            |
|   | ZHENLEI SHEN                   | 12/10/2018            |
|   | SAI KRISHNA MYLAVARAPU         | 12/10/2018            |
|   | ZHENGANG CHEN                  | 12/07/2018            |
| <b>RECEIVING PARTY DATA</b>   |                                |                       |
| <b>Name:</b>  | MICRON TECHNOLOGY, INC.        |                       |
| <b>Street Address:</b>  | 8000 FEDERRAL 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>Application Number:</b>  | <del>16215248</del> 16/215,267 |                       |
| <b>CORRESPONDENCE DATA</b>  |                                |                       |
| <b>Fax Number:</b>  |                                |                       |
| <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>Email:</b>   | tkellogg@lowenstein.com        |                       |
| <b>Correspondent Name:</b>  | PATENT DOCKET ADMINISTRATOR    |                       |
| <b>Address Line 1:</b>  | LOWENSTEIN SANDLER LLP         |                       |
| <b>Address Line 2:</b>  | ONE LOWENSTEIN DRIVE           |                       |
| <b>Address Line 4:</b>  | ROSELAND, NEW JERSEY 07068     |                       |
| <b>ATTORNEY DOCKET NUMBER:</b>  | 34300.85 (L0085)               |                       |
| <b>NAME OF SUBMITTER:</b>   | KEVIN O. GRANGE                |                       |
| <b>SIGNATURE:</b>   | /Kevin O. Grange/              |                       |
| <b>DATE SIGNED:</b>   | 12/11/2018                     |                       |
| <b>Total Attachments: 4</b>   |                                |                       |
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**ASSIGNMENT OF PATENT APPLICATION** Attorney Docket No. 34300.85 (L0085)

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we, the undersigned, Charles S. Kwong, Tingjun Xie, Zhenlei Shen, Sai Krishna Mylavaram and Zhengang Chen hereby sell, assign, and transfer to Micron Technology, Inc.

a corporation of Delaware  
(Type of Assignee: e.g., corporation, company, partnership, university, etc.)

having a principal place of business at 8000 South Federal Way, Boise, Idaho 83716-9632,

("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the application (provisional or non-provisional) for the United States patent which may have a declaration executed by the undersigned prior hereto or concurrently herewith and is entitled

**DEFECT DETECTION IN MEMORIES WITH TIME-VARYING BIT ERROR RATE**

said patent application also identified as follows (when known):

[I/we hereby authorize an attorney or agent for said Assignee to insert below the application number and filing date of said patent application when known.]

United States Patent Application Number 16/215,267 filed December 10, 2018,

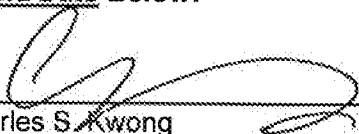
and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said United States application and all rights to claim priority to said United States application;

agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

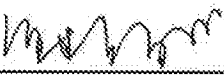
covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

**Each Inventor: Please Sign and Date Below:**

12/7/2018  
Date

  
Charles S. Kwong

Dec. 06, 2018  
Date

  
Tingjun Xie

\_\_\_\_\_  
Date

\_\_\_\_\_  
Zhenlei Shen

\_\_\_\_\_  
Date

\_\_\_\_\_  
Sai Krishna Mylavarapu

Dec 7, 2018  
Date

  
Zhengang Chen

Assignment Document Return Address:  
Patent Docket Administrator  
Lowenstein Sandler LLC  
One Lowenstein Drive  
Roseland, New Jersey 07068

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

**Each Inventor: Please Sign and Date Below:**

\_\_\_\_\_  
Date Charles S. Kwong

\_\_\_\_\_  
Date Tingjun Xie

12/10/2018  
\_\_\_\_\_  
Date Zhenlei Shen

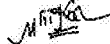
\_\_\_\_\_  
Date Sai Krishna Mylavarapu

\_\_\_\_\_  
Date Zhengang Chen

Assignment Document Return Address:  
Patent Docket Administrator  
Lowenstein Sandler LLC  
One Lowenstein Drive  
Roseland, New Jersey 07068

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

**Each Inventor: Please Sign and Date Below:**

|            |   |
|------------|---|
| _____      | _____   |
| Date       | Charles S. Kwong  |
| _____      | _____   |
| Date       | Tingjun Xie   |
| _____      | _____   |
| Date       | Zhenlei E. Shen   |
| 12/10/2018 |  |
| _____      | _____   |
| Date       | Sai Krishna Mylavarapu  |
| _____      | _____   |
| Date       | Zhengang Chen   |

Assignment Document Return Address:  
 Patent Docket Administrator  
 Lowenstein Sandler LLC  
 One Lowenstein Drive  
 Roseland, New Jersey 07068