505178135 11/06/2018

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5224903

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------|----------------|
| FENG PAN | 08/07/2014 |
| RAMIN GHODSI | 08/07/2014 |
| QIANG TANG | 08/11/2014 |

RECEIVING PARTY DATA

| Name: | MICRON TECHNOLOGY, INC. |
|-----------------|-------------------------|
| Street Address: | 8000 SOUTH FEDERAL WAY |
| City: | BOISE |
| State/Country: | IDAHO |
| Postal Code: | 83716-9632 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16182355 |

CORRESPONDENCE DATA

Fax Number:

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.

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| ATTORNEY DOCKET NUMBER: | P245013.US.02 |
|-------------------------|-----------------------|
| NAME OF SUBMITTER: | ALEXANDRA L. YAEGER |
| SIGNATURE: | /Alexandra L. Yaeger/ |
| DATE SIGNED: | 11/06/2018 |

Total Attachments: 4

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PATENT REEL: 047426 FRAME: 0709 505178135

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PATENT REEL: 047426 FRAME: 0710

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

FENG PAN, RAMIN GHODSI, and
QIANG TANG

Filed: Concurrently herewith

For: APPARATUSES AND METHODS
FOR REDUCING READ DISTURB

Docket No. P245013.US.01

Disclosure No. 2013-0687

ASSIGNMENT:

| X | Enclosed for recording |
|-------|---------------------------------------|
| | Previously recorded |
| Date: | · · · · · · · · · · · · · · · · · · · |
| Reel: | |

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned does hereby:

SELL, ASSIGN AND TRANSFER to Micron Technology, Inc. (the "Assignee"), a corporation of Delaware, having a place of business at 8000 South Federal Way, Boise, Idaho 83716-9632, 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 the undersigned concurrently herewith and is entitled "APPARATUSES AND METHODS FOR REDUCING READ DISTURB"; such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original 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 in the United States of America;

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

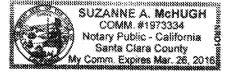
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WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed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

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

| Teng PAN | Date: 8/7/294 |
|-----------------------------|---|
| the above-named individual, | this day of, 20 14, personally appeared to me known to be the person who is described in and who executed strument and acknowledged to me that he executed the same of his therein expressed. |
| SEAL | Notary of Consular Officer My Commission Expires \$ 126 2016 |



| RAMIN GHODSI STATE OF CA County of SANAC | $\frac{2}{2}$ Date: $\frac{8/7/2014}{2}$ |
|--|--|
| ENGLANCE BEFO BEFO the above-named indi the foregoing assigns | RE ME, this |
| COM/ Notary Pr Santa | Notary or Consular Officer My Commission Expires 3 3 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 |
| | Date: |
| QIANG TANG | |
| STATE OF |))ss. |
| County of | |
| the above-named indi the foregoing assign own free will for the | RE ME, thisday of, 20, personally appeared ividual, to me known to be the person who is described in and who executed nent instrument and acknowledged to me that he executed the same of his purpose therein expressed. |
| SEAL | |
| | Notary or Consular Officer My Commission Expires |

| | Date: |
|--|---|
| RAMIN GHODSI | |
| STATE OF) ss. County of) | |
| County of | |
| the above-named individual, t | this day of, 20, personally appeared to me known to be the person who is described in and who executed trument and acknowledged to me that he executed the same of his therein expressed. |
| SEAL | |
| | Notary or Consular Officer My Commission Expires |
| QIANG TANG STATE OF California County of SantaClara | |
| BEFORE ME, the above-named individual, to | this <u>II</u> day of <u>Actorises I</u> , 20 <u>14</u> , personally appeared o me known to be the person who is described in and who executed trument and acknowledged to me that he executed the same of his therein expressed. |
| SEAL | Peri m haix |
| PATTI M. HAIR Commission No. 1951938 NOTARY PUBLIC-CALIFORNIA SANTA CLARA COUNTY | Notary or Consular Officer My Commission Expires Detales 9, 2015 |

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RECORDED: 11/06/2018