04/11/2014 502763960

PATENT ASSIGNMENT COVER SHEET

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

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| MICHAEL MURRAY | 01/05/2007 |
| WILLIAM HENRY RADKE | 01/19/2007 |

RECEIVING PARTY DATA

| Name: | Micron Technology, Inc. |
|-----------------|-------------------------|
| Street Address: | 8000 So. Federal Way |
| City: | Boise |
| State/Country: | IDAHO |
| Postal Code: | 83716-9632 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13904331 |

CORRESPONDENCE DATA

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Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via

US Mail.

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| ATTORNEY DOCKET NUMBER: | 303.984US3 |
|-------------------------|---------------|
| NAME OF SUBMITTER: | LISA M. LEE |
| SIGNATURE: | /Lisa M. Lee/ |
| DATE SIGNED: | 04/11/2014 |

Total Attachments: 4

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> **PATENT REEL: 032654 FRAME: 0558**

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RECORDATION FORM COVER SHEET PATENTS ONLY

Atty Ref/Docket No.: 303.984US3 Patent and Trademark Office To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Name: Micron Technology, Inc. Michael Murray, William Henry Radke Street Address: 8000 So. Federal Way Additional name(s) of conveying party(ies) attached? City: <u>Boise</u> State: <u>ID</u> Zip: <u>83716-9632</u> []Yes [X]No Country: United States of America 3. Nature of conveyance: Additional name(s) & address(es) attached? []Yes [X]No [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other Execution Date: January 5, 2007, January 19, 2007 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. 13/904,331 Additional numbers attached? []Yes [X]No 6. Total number of applications and patents involved: 1 5. Name and address of party to whom correspondence 7. Total fee (37 CFR 3.41):\$ 0.00 concerning document should be mailed: Name: Kenneth W. Bolvin [Enclosed []Authorized to be charged to deposit account 19-Address: 0743 Schwegman, Lundberg & Woessner, P.A. P.O. Box 2938 Please charge any additional fees or credit any over Minneapolis, MN 55402--0938 payments to our Deposit Account No.: 19-0743 DO NOT USE THIS SPACE 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. Kenneth W. Bolvin/Reg. No. 34,125_ /Kenneth Bolvin/ Name of Person Signing Total number of pages including cover sheet: 4 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: 032654 FRAME: 0559

ASSIGNMENT

WHEREAS, We, Michael Murray, residing at 385 Foxborough Dr., Mountain View, CA 94041, and William Henry Radke, residing at 90 Cleland Ave., Los Gatos, CA 95030, made certain new and useful inventions and improvements for which we executed an application for Letters Patent of the United States on even date herewith, which is entitled PROGRAMMING MANAGEMENT DATA FOR NAND MEMORIES;

AND WHEREAS, Micron Technology, Inc., a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 8000 So. Federal Way, Boise, ID 83716-9632 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

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

| IN TESTIMONY WHEREOF, I have hereunto set my hand this day of |
|---|
| Juney 2006. 2007 mm |
| |
| Michael Murray |
| STATE OF CAUFORNIA |
| STATE OF <u>CAUFORNIA</u>) COUNTY OF <u>SAUTA CLARA</u>) |
| 2007 WAS On this 5 day of TANUARY, 2006 before me personally appeared Michael |
| On this 5 day of TANUARY, 2006 before me personally appeared Michael |
| Murray, to me known and known to me to be the person described in and who executed the foregoing |
| instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes |
| therein set forth. |
| WILLIAM F. BRONNER & COMM. # 1697638 (I) ROTARY PUBLIC CALLEDRINA (I) SEAL] WILLIAM F. BRONNER & COMM. # 1697638 (I) ROTARY FUBLIC CALLEDRINA (I) MY COMM. EAR COUNTY MY COMM. EAR. NOV. 1, 2019 T |
| Notary Public |

IN TESTIMONY WHEREOF, I have hereunto set my hand this 4 day of

William H. Radke

STATE OF CAUFORNIA

SS

COUNTY OF SANTA CLARA

On this 19 day of TANDAR 1, 2006-before me personally appeared William H.

Radke, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

COMM. # 1697638
HOTARY PUBLIC CALIFORNIA

SARYA CLARA COUNTY LIV COST EST NOV 1, 2017

> PATENT REEL: 032654 FRAME: 0562

Welliam J. Blonner

Notary Public

RECORDED: 04/11/2014

Docket No: 303.984US1 Scrial Number: Not Assigned Filing Date: even date herewith

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