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Patent and Trademark Office Atty Ref/Docket No.: 303.A88US1 To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof. Name and address of receiving party(ies): 1. Name of conveying party(ies): Name: Micron Technology, Inc. Joe M. Jeddeloh 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 Additional name(s) & address(es) attached? []Yes [X]No 3. Nature of conveyance: [X] Assignment [] Merger [] Security Agreement[] Change of Name [] Other Execution Date: December 18, 2008 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: B. Patent No.(s) A. Patent Application No.(s) Serial No. 12/346,542, filed December 30, 2008 Additional numbers attached? []Yes [X]No 6. Total number of applications and patents involved: 1 5. Name and address of party to whom correspondence Total fee (37 CFR 3.41):\$ <u>40.00</u> concerning document should be mailed: []Enclosed Name: David C. Peterson [X]Authorized to be charged to deposit account Address: 19-0743 Schwegman, Lundberg & Woessner, P.A. Please charge any additional fees or credit any over P.O. Box 2938 payments to our Deposit Account No.: 19-0743 Minneapolis, MN 55402-0938 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. <u>Z-/3-07</u> David C. Peterson/Reg. No. 47,857 Name of Person Signing Total number of pages including cover sheet: 3

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

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PATENT REEL: 022265 FRAME: 0218 12/18/2008 THU 18:01 FAX 612 884 2500 MICRON TECHNOLOGY INC

ASSIGNMENT

WHEREAS, I, Joe M. Jeddeloh, residing at <u>4302 Reiland Lane</u>, <u>Shoreview</u>, <u>MN</u> <u>55126</u>, made certain new and useful inventions and improvements for which I filed an application for Letters Patent of the United States entitled <u>VARIABLE MEMORY REFRESH</u> <u>DEVICES AND METHODS</u>:

WHEREAS, I hereby authorize and request my attorneys, as listed under Customer Number 73115, at Schwegman, Lundherg & Woessner, P.A., located at 121 South Eighth Street, Suite 1600, Minneapolis, MN 55402, to insert here in parentheses (Ser. No. 12/346,542; Filing Date: <u>DECEINBER 30, 2008</u>) the filing date and application number of said application when known.

AND WHEREAS, Micron Technology. Inc., a corporation organized and existing under and by virtue of the laws of the State of <u>Delaware</u>, and having an office and place of business at <u>8000 So. Federal Way. Boise. ID 83716-9632</u> (hereinafter "Assignee"), is desirous of acquiring the entire right, priority 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, I 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 reissnes 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 I 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.

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AND, for the consideration aforesaid, I do hereby agree that I and my 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 me 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.

AND, furthermore, I 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 me and that full right to convey the same as herein expressed is possessed by me.

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IN TESTIMONY WHEREOF, I have hereunto set my hand this \underline{lO} day of
<u>Lei 2008.</u>
As mAll-
$\begin{pmatrix} \end{pmatrix} \begin{pmatrix} f^{t} \\ \end{pmatrix}$ Joe M. Jeddeloh
STATE OF MILLIESOTA
COUNTY OF HENHEPIN
On this 18 day of DECEMBER 2008 before me personally appeared <u>loe M.</u>
Jeddeloh, 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.
[SEAL]
Notary Public

PATENT REEL: 022265 FRAME: 0220

RECORDED: 02/16/2009