Client Code: MICRON.338A

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

<ol> <li>Name of conveying party(ies): (List using letters or numbers for multiple parties)         <ol> <li>Thomas A. Figura</li> <li>Gordon A. Haller</li> </ol> </li> <li>Additional name(s) of conveying party(ies) attached?         <ol> <li>Yes</li> <li>No</li> </ol> </li> <li>Nature of conveyance:         <ol> <li>Assignment</li> <li>Change of Name</li> <li>Other:</li> </ol> </li> <li>Execution Date: (List as in section 1 if multiple signatures)         <ol> <li>October 28, 2005; and (2) October 21, 2005.</li> </ol> </li> <li>Party to whom correspondence concerning document should be mailed:         <ol> <li>Customer No. 20,995</li> <li>Address: Knobbe, Martens, Olson &amp; Bear, LLP 2040 Main Street, 14<sup>th</sup> Floor Irvine, CA 92614</li> <li>Return Fax: (949) 760-9502</li> </ol> </li> </ol>	<ol> <li>Name and address of receiving party(ies):         <ul> <li>Name: MICRON TECHNOLOGY, INC.</li> <li>Internal Address:</li> <li>Street Address: 8000 South Federal Way</li> <li>City: Boise State: ID</li> <li>ZIP: 83707</li> </ul> </li> <li>Additional name(s) of receiving party(ies) attached?         <ul> <li>() Yes</li> <li>(X) No</li> </ul> </li> <li>4. US or PCT Application number(s) or US Patent number(s):         <ul> <li>(X) Patent Application No.: 11/219,304</li> <li>Filing Date: September 1, 2005</li> </ul> </li> <li>Additional numbers attached?         <ul> <li>() Yes</li> <li>(X) No</li> </ul> </li> <li>6. Total number of applications and patents involved: 1</li> </ol>
Attorney's Docket No.: MICRON.338A	0.00.0000000000000000000000000000000000
7. Total fee (37 CFR 1.21(h)): \$40  (X) Authorized to be charged to deposit account	<ol> <li>Deposit account number: 11-1410</li> <li>Please charge this account for any additional fees which may be required, or credit any overpayment to this account.</li> </ol>
is a true copy of the original document.  Adeel S. Akhtar Name of Person Signing  41,394 Registration No.  Total number of pages including cov.	ng information is true and correct, and any attached copy    April   November 7, 2005   pate   Date
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> PATENT REEL: 016984 FRAME: 0318

PATENT

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Application No.: 11/219,304 Filing Date: September 1, 2005

## ASSIGNMENT

WHEREAS, We, Thomas A. Figura, a U.S. citizen, residing at 3955 S. Argonaut, Boise, ID 83709, Gordon A. Haller, a U.S. citizen, residing at 5426 E. Quartersawn Court, Boise, ID 83716, have invented certain new and useful improvements in a PERIPHERAL GATE STACKS AND RECESSED ARRAY GATES for which we have filed an application for Letters Patent in the United States, Application No. 11/219,304, filed on September 1, 2005;

AND WHEREAS, MICRON TECHNOLOGY, INC. (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at 8000 South Federal Way, Boise, ID 83707, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in return for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE DO HEREBY sell, assign, transfer, and convey to ASSIGNEE, his successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of the said Letters Patent before or after issuance.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

PATENT REEL: 016984 FRAME: 0319

**☑** 003/004 11/07/05 15:06 FAX 415 954 4111 KNOBBE MARTENS et al **2**003 PATENTS 10/28/2005 11:55 FAX 208 368 5606 PATENT Client Code: MICRON.338A Application No.: 11/219,304 Page 2 Filing Date: September 1, 2005 IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 28 day of october, 2005 STATE OF VICTINIE On Ochber 28, 2005, before me, Samentha J. Strong, personally appeared Thomas A. Figura personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon bohalf of which the person(s) acted, executed the instrument. WITNESS my hand and official seal. (SEAL) TESTIMONY WHEREOF, I hereunto set my hand and seal this 21 day of October STATE OF COUNTY OF \_, personally appeared Gordon A. Haller , before me, MFRRI HELMS personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon bohalf of which the person(s) acted, executed the Instrument

WITNESS my hand and official seal.

[SEAL]

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Notary Signature Gyp: 8/25/2010

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Filing Date: September 1, 2005 IN TESTIMONY WHEREOF, I hereunto set my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_\_, 20\_\_. Thomas A. Figura STATE OF COUNTY OF \_\_\_\_\_, personally appeared Thomas A. Figura , before me, j On personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(les), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. WITNESS my hand and official seal. [SEAL] Notary Signature IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 21 day of October, 2005 Sonder a Walle

STATE OF

COUNTY OF

\_\_\_\_, before me, MFRR! HELMS \_\_\_\_\_\_, personally appeared Gordon A. Haller personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

1954958 I 092605



Muru Hums Notary Signature Cyp: 3/25/2010

PATENT REEL: 016984 FRAME: 0321

**RECORDED: 11/07/2005**