

# PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT														
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT														
<b>CONVEYING PARTY DATA</b>															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr><td>James Matthew</td><td>07/15/2011</td></tr> <tr><td>Gordon Haller</td><td>07/18/2011</td></tr> <tr><td>Ronald A. Weimer</td><td>07/13/2011</td></tr> <tr><td>John Hopkins</td><td>07/13/2011</td></tr> <tr><td>Vinayak K. Shamanna</td><td>07/15/2011</td></tr> <tr><td>Sanjeev Sapra</td><td>07/13/2011</td></tr> </tbody> </table>		Name	Execution Date	James Matthew	07/15/2011	Gordon Haller	07/18/2011	Ronald A. Weimer	07/13/2011	John Hopkins	07/13/2011	Vinayak K. Shamanna	07/15/2011	Sanjeev Sapra	07/13/2011
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<b>RECEIVING PARTY DATA</b>															
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 20%;"><b>Name:</b></td><td>Micron Technology, Inc.</td></tr> <tr><td><b>Street Address:</b></td><td>8000 South Federal Way</td></tr> <tr><td><b>Internal Address:</b></td><td>MS525</td></tr> <tr><td><b>City:</b></td><td>Boise</td></tr> <tr><td><b>State/Country:</b></td><td>IDAHO</td></tr> <tr><td><b>Postal Code:</b></td><td>83716</td></tr> </table>		<b>Name:</b>	Micron Technology, Inc.	<b>Street Address:</b>	8000 South Federal Way	<b>Internal Address:</b>	MS525	<b>City:</b>	Boise	<b>State/Country:</b>	IDAHO	<b>Postal Code:</b>	83716		
<b>Name:</b>	Micron Technology, Inc.														
<b>Street Address:</b>	8000 South Federal Way														
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<b>City:</b>	Boise														
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<b>PROPERTY NUMBERS Total: 1</b>															
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<b>CORRESPONDENCE DATA</b>															
Fax Number: (612)312-2250 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 612-312-2200 Email: docketing@ljp-iplaw.com Correspondent Name: LEFFERT JAY & POLGLAZE, P.A. Address Line 1: P.O. BOX 581009 Address Line 4: MINNEAPOLIS, MINNESOTA 55458-1009															
<b>ATTORNEY DOCKET NUMBER:</b>	400.747US01														

OP \$40.00 13192763

**501609398**

**PATENT**  
**REEL: 026665 FRAME: 0045**

NAME OF SUBMITTER:

Tod A. Myrum

**Total Attachments: 7**

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**PATENT**

**REEL: 026665 FRAME: 0046**

## ASSIGNMENT

WHEREAS, we, James Mathew, residing at 10576 Dason Drive, Boise, Idaho, 83704, Gordon Haller, residing at 209 W. Linden St., Boise, Idaho, 83706, Ronald A. Weimer, residing at 1696 E. Victory Road, Boise, Idaho, 83706, John Hopkins, residing at 2065 S. Tollgate Way, Boise, Idaho, 83709, Vinayak K. Shamanna, residing at 1486 S. Loggers Pond Place, Apt. 22, Boise, Idaho, 83706, and Sanjeev Sapra, residing at 5888 S. Schooner Way, Boise, Idaho, 83716 made certain new and useful inventions and improvements for which we executed an application for Letters Patent of the United States herewith, and which is entitled FORMING AIR GAPS IN MEMORY ARRAYS AND MEMORY ARRAYS WITH AIR GAPS THUS FORMED .

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 South Federal Way, MS 525, Boise, Idaho, 83716, (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 therefrom, 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 therefrom; 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 respective 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.

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 me/us and that full right to convey the same as herein expressed is possessed by us.

Docket No.: 400.747US01

Serial No.: Unknown

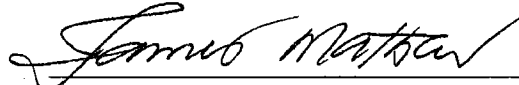
Micron Docket No. 2010-0556.00/US

Filing Date: Herewith

Title: FORMING AIR GAPS IN MEMORY ARRAYS AND MEMORY ARRAYS WITH AIR GAPS THUS FORMED

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IN TESTIMONY WHEREOF, I have hereunto set my hand this 16 day of July, 2011.

  
James Mathew

State of Idaho

County of Ada

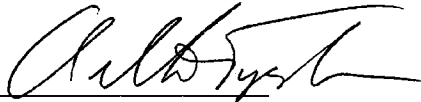
On 15 July 2011 before me, Art Tyczka appeared

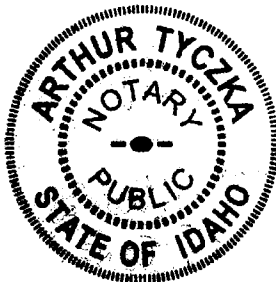
James Mathew, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity on behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Notary or Consular Officer

(Seal)





Docket No.: 400.747US01

Serial No.: Unknown

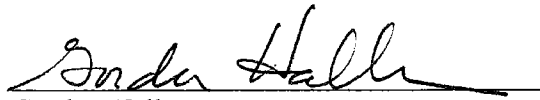
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Micron Docket No. 2010-0556.00/US

Filing Date: Herewith

Page 3 of 7

IN TESTIMONY WHEREOF, I have hereunto set my hand this 18 day of July, 2011.

  
Gordon Haller

State of Idaho

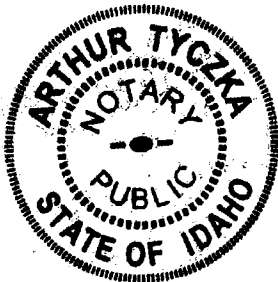
County of Ada

On 18 July 2011 before me, Art Tyczka appeared  
Gordon Haller, who 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/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their  
signature(s) on the instrument the person(s), or the entity on behalf of which the person(s) acted,  
executed the instrument.

WITNESS my hand and official seal.

Notary or Consular Officer

(Seal)



IN TESTIMONY WHEREOF, I have hereunto set my hand this 13 day of July, 2011.

Ronald A. Weimer  
Ronald A. Weimer

State of Idaho

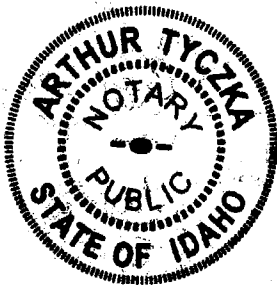
County of Ada

On 13 July 2011 before me, Art Tyczka appeared  
Ron Weimer, who 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/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their  
signature(s) on the instrument the person(s), or the entity on behalf of which the person(s) acted,  
executed the instrument.

WITNESS my hand and official seal.

Notary or Consular Officer

(Seal)



IN TESTIMONY WHEREOF, I have hereunto set my hand this 13 day of July, 2011.

  
\_\_\_\_\_  
John Hopkins

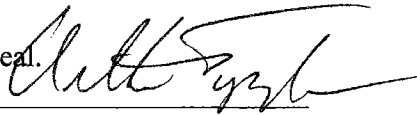
State of Idaho

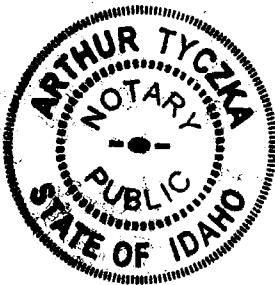
County of Ada

On 13 July 2011 before me, Art Tyczka appeared  
John Hopkins, who 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/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their  
signature(s) on the instrument the person(s), or the entity on behalf of which the person(s) acted,  
executed the instrument.

WITNESS my hand and official seal.

Notary or Consular Officer  
(Seal)





IN TESTIMONY WHEREOF, I have hereunto set my hand this 15<sup>th</sup> day of July, 2011.

Vinayak K. Shamanna  
Vinayak K. Shamanna

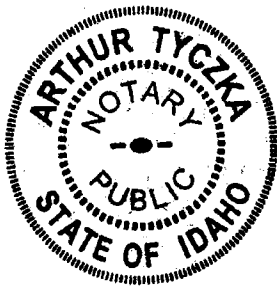
State of Idaho

County of Ada

On 15 July 2011 before me, Art Tyczka appeared Vinayak Shamanna, who 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/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity on behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Notary or Consular Officer  
(Seal)



IN TESTIMONY WHEREOF, I have hereunto set my hand this 13 day of July, 2011.

  
\_\_\_\_\_  
Sanjeev Sapra

State of Idaho

County of Ada

On 13 July 2011 before me, Art Tyczka appeared

Sanjeev Sapra, who 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/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity on behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Notary or Consular Officer \_\_\_\_\_

(Seal)

