

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Jaydip Guha</td><td>02/17/2011</td></tr><tr><td>Shyam Surthi</td><td>02/17/2011</td></tr><tr><td>Suraj J. Mathew</td><td>02/17/2011</td></tr><tr><td>Kamal M. Karda</td><td>02/18/2011</td></tr><tr><td>Hung-Ming Tsai</td><td>02/17/2011</td></tr></tbody></table>		Name	Execution Date	Jaydip Guha	02/17/2011	Shyam Surthi	02/17/2011	Suraj J. Mathew	02/17/2011	Kamal M. Karda	02/18/2011	Hung-Ming Tsai	02/17/2011
Name	Execution Date												
Jaydip Guha	02/17/2011												
Shyam Surthi	02/17/2011												
Suraj J. Mathew	02/17/2011												
Kamal M. Karda	02/18/2011												
Hung-Ming Tsai	02/17/2011												
RECEIVING PARTY DATA													
<table border="1"><tr><td>Name:</td><td>Micron Technology, Inc.</td></tr><tr><td>Street Address:</td><td>8000 South Federal Way</td></tr><tr><td>Internal Address:</td><td>MS 1-525</td></tr><tr><td>City:</td><td>Boise</td></tr><tr><td>State/Country:</td><td>IDAHO</td></tr><tr><td>Postal Code:</td><td>83716</td></tr></table>		Name:	Micron Technology, Inc.	Street Address:	8000 South Federal Way	Internal Address:	MS 1-525	City:	Boise	State/Country:	IDAHO	Postal Code:	83716
Name:	Micron Technology, Inc.												
Street Address:	8000 South Federal Way												
Internal Address:	MS 1-525												
City:	Boise												
State/Country:	IDAHO												
Postal Code:	83716												
PROPERTY NUMBERS Total: 1													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>13031829</td></tr></tbody></table>		Property Type	Number	Application Number:	13031829								
Property Type	Number												
Application Number:	13031829												
CORRESPONDENCE DATA													
Fax Number: (509)838-3424 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone: 5096244276													
Email: ltetrault@wellsstjohn.com													
Correspondent Name: Wells St. John P.S.													
Address Line 1: 601 W. 1st Avenue, Suite 1300													
Address Line 4: Spokane, WASHINGTON 99201													
ATTORNEY DOCKET NUMBER:	MI22-4708												
NAME OF SUBMITTER:	Mark S. Matkin												

OP \$40.00 13031829

501444913

PATENT  
REEL: 025841 FRAME: 0530

**Total Attachments: 7**

source=Assignment#page1.tif

source=Assignment#page2.tif

source=Assignment#page3.tif

source=Assignment#page4.tif

source=Assignment#page5.tif

source=Assignment#page6.tif

source=Assignment#page7.tif

**PATENT**

**REEL: 025841 FRAME: 0531**

## **ASSIGNMENT**

### **PARTIES TO THE ASSIGNMENT:**

#### **INVENTORS:**

Jaydip Guha  
5659 S. Jonquil Place  
Boise, ID 83716  
India

Shyam Surthi  
4179 S. Dandridge Ct.  
Boise, ID 83716  
United States

Mathew, Suraj J.  
2832 East Red Fir Court  
Boise, ID 83716  
United States

Kamal M. Karda  
2515 E. Red Cedar Lane Apt 101  
Boise, ID 83716  
India

Hung-Ming Tsai  
8561 W. Fairview Ave. Apt. 302  
Boise, ID 83704  
Taiwan

#### **ASSIGNEE:**

Micron Technology, Inc.  
MS 1-525  
8000 South Federal Way  
Boise, ID 83716  
United States

**BACKGROUND OF THIS ASSIGNMENT:**

Inventors have conceived certain new and useful inventions disclosed in a United States patent application titled Methods Of Forming A Vertical Transistor And At Least A Conductive Line Electrically Coupled Therewith, Methods Of Forming Memory Cells, And Methods Of Forming Arrays Of Memory Cells.

Micron Technology, Inc. (hereinafter referred to as "ASSIGNEE") desires to acquire the entire right, title and interest in said inventions and with respect to any Letters Patent that may be granted with respect to the inventions in both the United States and in all foreign countries.

**THE PARTIES AGREE AS FOLLOWS:**

In consideration of good and valuable consideration, the receipt, sufficiency and adequacy of which is hereby acknowledged, INVENTORS have sold, assigned and transferred, and by these present do hereby sell, assign and transfer to ASSIGNEE the entire right, title and interest in the above-identified inventions and application and to any reissues, renewals, divisions or continuations of the application thereof, and hereby authorizes the Commissioner of Patents and Trademarks to issue such Letters Patent to ASSIGNEE for the sole use of ASSIGNEE, its successors or assigns.

INVENTORS further agree to execute, at the request and expense of ASSIGNEE, such other formal documents as may be required to fully convey the interest transferred herein and will similarly execute any patent

application papers (foreign or domestic) required for the filing of any divisional, continuation, renewal or reissue of the patent application or resulting Letters Patent; and will generally do everything necessary or desirable to obtain and enforce proper protection for the inventions assigned hereby.

INVENTORS further assign to ASSIGNEE the whole right, title and interest in the inventions disclosed in the application throughout all countries foreign to the United States. ASSIGNEE is hereby authorized to apply for patents relating to the inventions in its own name in countries where such procedure is proper; to claim the benefit of the International Convention; to file and prosecute International Applications relating to the inventions under the Patent Cooperation Treaty; and to file and prosecute applications relating to the inventions under the European Patent Convention. INVENTORS agree to execute applications relating to the inventions in those countries and under those conventions where it is necessary that the same be executed by the inventor, and to execute assignments of such applications and the resulting Letters Patent to ASSIGNEE as well as all other necessary papers in relation to such applications and Letters Patent. INVENTORS hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country as proof of the right of ASSIGNEE to apply for patent and other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

To be binding on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Dated: 02/17/2011

Signature: Jaydip Guha  
Jaydip Guha

State of Idaho

County of Ada

)  
) ss.  
)

On this 17<sup>th</sup> day of Feb., 2011, before me, Art Tyczka - Patent Asst (name and title of Notary Official), personally appeared Jaydip Guha, known or identified to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed within the Assignment, and acknowledged to me that he/she executed the Assignment in his/her authorized capacity, and that by his/her signature on the Assignment, the person executed the Assignment.



My Commission Expires: 8-15-12

Dated: 2/17/2011

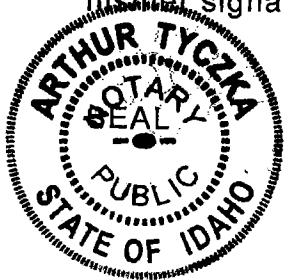
Signature: Shyam Surthi  
Shyam Surthi

State of Idaho

County of Ada

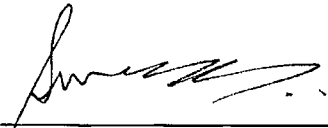
)  
) ss.  
)

On this 17<sup>th</sup> day of Feb., 2011, before me, Art Tyczka - Patent Asst (name and title of Notary Official), personally appeared Shyam Surthi, known or identified to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed within the Assignment, and acknowledged to me that he/she executed the Assignment in his/her authorized capacity, and that by his/her signature on the Assignment, the person executed the Assignment.



My Commission Expires: 8-15-12

Dated: 02/17/2011

Signature: 

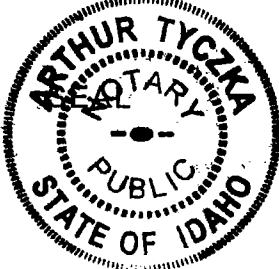
Suraj J Mathew

State of Idaho

County of Ada

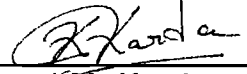
)  
) ss.  
)

On this 17<sup>th</sup> day of Feb., 2011, before me, Art Tyczka - Patent Asst (name and title of Notary Official), personally appeared Suraj J Mathew, known or identified to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed within the Assignment, and acknowledged to me that he/she executed the Assignment in his/her authorized capacity, and that by his/her signature on the Assignment, the person executed the Assignment.



  
My Commission Expires: 8-18-12

Dated: 02/18/11

Signature: 

Kamal M. Karda

State of Idaho

County of Ada

)  
) ss.  
)

On this 18<sup>th</sup> day of Feb, 2011, before me, Art Tyczka - Patent Asst (name and title of Notary Official), personally appeared Kamal M. Karda, known or identified to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed within the Assignment, and acknowledged to me that he/she executed the Assignment in his/her authorized capacity, and that by his/her signature on the Assignment, the person executed the Assignment.



  
My Commission Expires: 8-18-12



Dated: 02/17/2011

Signature: Hung-Ming Tsai  
Hung-Ming Tsai

State of Idaho

County of Ada

)  
) ss.  
)

On this 17<sup>th</sup> day of Feb., 2011, before me, Arthur Tyczka - Patent Asst (name and title of Notary Official), personally appeared Hung-Ming Tsai, known or identified to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed within the Assignment, and acknowledged to me that he/she executed the Assignment in his/her authorized capacity, and that by his/her signature on the Assignment, the person executed the Assignment.



Arthur Tyczka  
My Commission Expires: 3-18-12