

04-04-2002

HEET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

**EV077385775**



102044407

the attached original documents or copy thereof.

Tab settings => => ▼

To the Honorable Commissioner of

1. Name of conveying party(ies):

Ross S. Dando

Gurtej S. Sandhu

Allen P. Mardian

3-26-02

Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies):

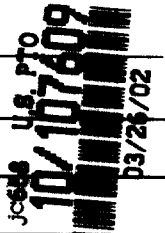
Name: Micron Technology, Inc.

Internal Address: \_\_\_\_\_

Street Address: 8000 South Federal Way

City: Boise State: ID ZIP: 83716

Additional name(s) & address(es) attached?  Yes  No



3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

Execution Date: March 21, 2002

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: March 21, 2002

A. Patent Application No.(s)

B. Patent No.(s)

10/107609

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Mark S. Matkin

Internal Address: Wells St. John P.S.

04/01/2002 DTESSEM1 00000063 10107609

04 FC:581 (40.00 DP)

Street Address: 601 West First Avenue, Suite 1300

City: Spokane State: WA ZIP: 99201-3828

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) ..... \$ 40.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

23-0925

(Attach duplicate copy of this page if paying by deposit account)

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.

Mark S. Matkin

Name of Person Signing

Signature

3/26/02

Date

Total number of pages including cover sheet, attachments, and document: 5

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

**ASSIGNMENT**

**PARTIES TO THE ASSIGNMENT:**

**INVENTORS:**

Ross Dando  
Gurtej S. Sandhu  
Allen P. Mardian

**ASSIGNEE:**

Micron Technology, Inc.  
Corporation of the State of Delaware  
8000 South Federal Way  
Boise, Idaho 83716

**BACKGROUND OF THIS ASSIGNMENT:**

Inventors have conceived certain new and useful inventions disclosed in a United States patent application titled "Chemical Vapor Deposition Methods, Atomic Layer Deposition Methods, and Valve Assemblies for Use With a Reactive Precursor in Semiconductor Processing".

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 hereby sell, assign and transfer to ASSIGNEE the entire right, title and interest in the above-identified application executed currently with this assignment and to any reissues, renewals, divisions or continuations 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 application papers required for the filing of any division, 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 the resulting Letters Patent to ASSIGNEE as well as all other necessary papers in relation to such applications and Letters Patent.

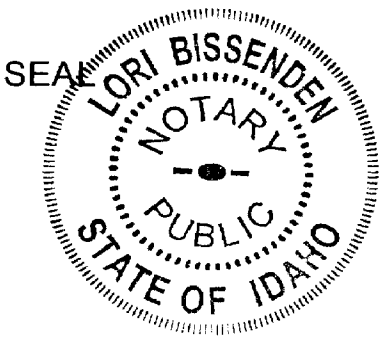
INVENTORS further warrant and covenant that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full rights to convey the same as herein expressed is possessed by the undersigned.

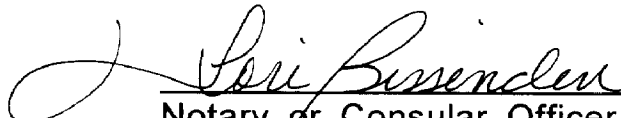
To be binding on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignees.

Dated: 03/21/2002 Signature:   
Ross Dando

State of Idaho )  
County of Ada ) ss.

BEFORE ME, this 21<sup>st</sup> day of March, 2002, personally appeared the above-named inventor, known to me to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.



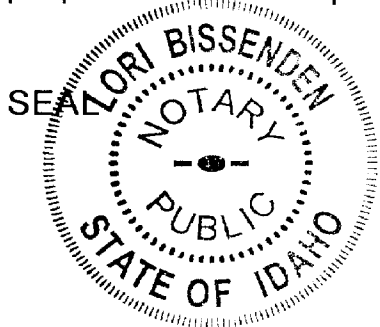
  
Notary or Consular Officer  
My Commission Expires: 6/12/2004

Dated: 3/21/02

Signature: Gurtej S. Sandhu  
Gurtej S. Sandhu

State of Idaho )  
County of Ada ) ss.

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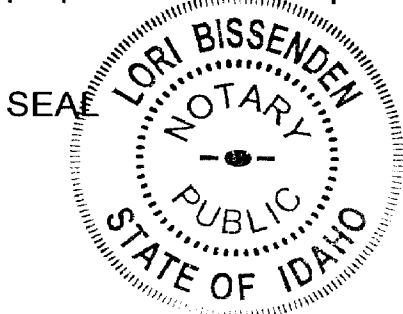
Lori Bissenden  
Notary or Consular Officer  
My Commission Expires: 6/12/2004

Dated: 3/21/02

Signature: Allen P. Mardian  
Allen P. Mardian

State of Idaho )  
County of Ada ) ss.

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Lori Bissenden  
Notary or Consular Officer  
My Commission Expires: 6/12/2004

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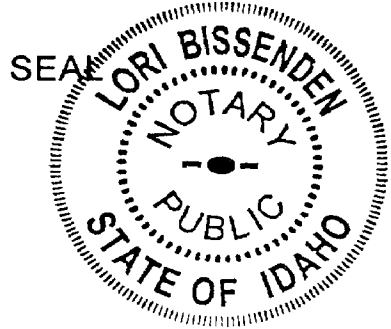
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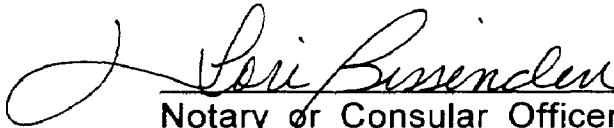
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Signature:   
Ross Dando

State of Idaho )  
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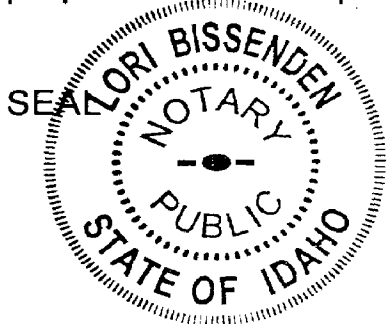
  
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My Commission Expires: 6/12/2004

Dated: 3/21/02

Signature: Gurtej S. Sandhu  
Gurtej S. Sandhu

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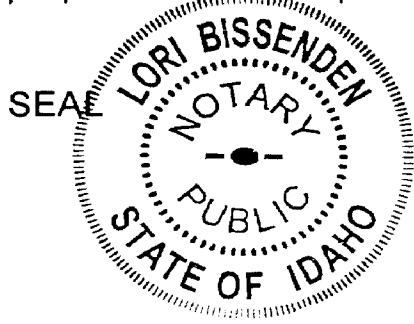
Lori Bissenden  
Notary or Consular Officer  
My Commission Expires: 6/12/2004

Dated: 3/21/02

Signature: Allen P. Mardian  
Allen P. Mardian

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Lori Bissenden  
Notary or Consular Officer  
My Commission Expires: 6/12/2004



**MICRON TECHNOLOGY, INC.**  
**CERTIFIED COPY OF RESOLUTIONS**

I, Jan R. Reimer, the Assistant Secretary of Micron Technology, Inc. do hereby certify, that the resolutions attached hereto represent a complete, true and correct copy of the resolutions duly adopted by the Board of Directors of Micron Technology, Inc., a corporation duly organized and existing under the laws of the State of Delaware, at a meeting duly held on March 25, 1996, a quorum being present, and have been entered into the minutes of said meeting; that I am the keeper of the corporate seal and of the minutes and records of this Corporation; and that the said resolutions have not been rescinded or modified.


The resolutions attached hereto are in conformity with the Articles of Incorporation and Bylaws of the Corporation and are now in full force and effect.

I further certify that the person whose name and signature is set out below is the person authorized to act for said corporation in transactions with and pursuant to the foregoing resolutions, and that such person is now duly qualified and acting in his respective capacity:

NAME AND TITLE

SIGNATURE

Michael L. Lynch, Assistant General  
Counsel for Intellectual Property



IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed the seal of the said corporation, this 6th day of May, 1996.

  
Jan R. Reimer, Assistant Secretary

(SEAL)