

2-21-06

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103183969

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

ALAN G. WOOD  
DAVID R. HEMBREE

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

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) November 30, 2005

- Assignment  Merger
- Security Agreement  Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other \_\_\_\_\_

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

Name: MICRON TECHNOLOGY, INC.

Internal Address: Legal Department, Mail Stop 525

Street Address: 8000 South Federal Way

City: Boise

State: ID

Country: US Zip: 83707-0006

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

OFFICE OF PUBLICATION RECORDS  
2006 FEB 21 PM 3:21  
FINANCE SECTION

**4. Application or patent number(s):**

This document is being filed together with a new application.

A. Patent Application No.(s)  
11/296,057

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Stephen A. Gratton

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

Street Address: 2764 South Braun Way

City: Lakewood

State: CO Zip: 80228

Phone Number: 303 989 6353

Fax Number: 303 989 6538

Email Address: grattonstephen@qwest.net

**6. Total number of applications and patents involved: 1**

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40**

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 07-1857

Authorized User Name Stephen A. Gratton

**9. Signature:**

Signature

2-16-2006

Date

Stephen A. Gratton  
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 4

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

02/22/2006 DBYRME 00000026 071857 11296057

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

ALAN G. WOOD  
DAVID R. HEMBREE

Serial No.:

Filing Date:

Title: SEMICONDUCTOR COMPONENTS HAVING THROUGH  
WIRE INTERCONNECTS (TWI), AND METHODS AND  
SYSTEMS FOR FABRICATING SEMICONDUCTOR COMPONENTS

Docket No. 05-0948

ASSIGNMENT:

Enclosed for recording  
 Previously recorded

Date: \_\_\_\_\_

Reel: \_\_\_\_\_

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged, the undersigned do hereby:

SELL, ASSIGN, AND TRANSFER to MICRON TECHNOLOGY, INC., (the "Assignee"), a corporation of the State of Delaware, having a place of business at 8000 South Federal Way, Boise, ID 83707-0006, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which will be executed by the undersigned and is entitled: **SEMICONDUCTOR COMPONENTS HAVING THROUGH WIRE INTERCONNECTS (TWI), AND METHODS AND SYSTEMS FOR FABRICATING SEMICONDUCTOR COMPONENTS;** such application and all divisional, continuing, substitute, renewal, reissue, and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States of America;

AUTHORIZE AND REQUEST, the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

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 right to convey the same as herein expressed is possessed by the undersigned;

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney, and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for securing, maintaining, and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee;

TO BE BINDING on the heirs, assigns, representatives, and successors of the undersigned and extend to the successors, assigns, and nominees of the Assignee.

(Signature) *Alan G. Wood*  
**ALAN G. WOOD**

Date NOV. 30, 2005

STATE OF IDAHO

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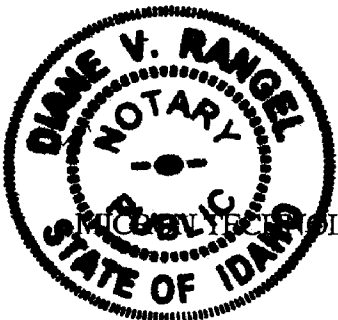
COUNTY OF ADA

BEFORE ME, this 30<sup>th</sup> day of November, 2005, personally appeared the above named individual(s), to me known to be the person(s) who is (are) described in and who executed the foregoing assignment instrument and acknowledged to me that he/she executed the same of his/her (their) own free will for the purpose therein expressed.

SEAL

*Diane V. Rangel*  
Notary or Consular Officer of the United States of America

My Commission Expires: 6/27/11



PHOTOCOPY TECHNOLOGY, INC.

(Signature) *David R. Hembree* Date 11/30/05  
**DAVID R. HEMBREE**

STATE OF IDAHO  
COUNTY OF ADA

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BEFORE ME, this 30<sup>th</sup> day of November, 2005, personally appeared the above named individual(s), to me known to be the person(s) who is (are) described in and who executed the foregoing assignment instrument and acknowledged to me that he/she executed the same of his/her (their) own free will for the purpose therein expressed.

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*Diane V. Rangel*  
Notary or Consular Officer of the  
United States of America  
My Commission Expires: 6/27/11

