


12-18-2003

Form PTO-1595 (Rev. 10/02, modified)	F		HEET	U.S. Department of Commerce Patent and Trademark Office
102626200				
To the Honorable Assistant Commissioner for Patents, Please return the enclosed original documents or copy thereof.				
1. Name of conveying party(ies): 1. William M. Hiatt 2. Kyle K. Kirby		2. Name/address of receiving party(ies): Micron Technology, Inc. 8000 South Federal Way P.O. Box 6 Boise, Idaho 83706-9632		
Add'l names of conveying parties attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Other Execution dates: 1. December 4, 2003 2. December 4, 2003		Add'l names of receiving parties attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
4. Application number(s) and/or patent number(s): If this document is being filed with a new application, the date of signature by the first named inventor was: December 4, 2003. A. Patent Application No.(s) B. Patent No.(s)				
Additional numbers attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
5. Name and address of party to whom correspondence concerning document should be mailed: Customer No. 25096 Perkins Coie LLP P.O. Box 1247 Seattle, Washington 98111-1247 (206) 359-8000		6. Total No. of applications and patents involved: <u>one (1)</u>		
7. Total fee (37 CFR §3.41): <u>\$40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Charge Deposit Account No. 50-0665				
8. Deposit Account No. <u>50-0665</u> (Attach duplicate copy of this page if paying by deposit account)				
DO NOT USE THIS SPACE				
9. Statement and signature: <i>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.</i> Stephen E. Arnett Name of Person Signing Signature December 10, 2003 Date Total number of pages, including cover sheet, attachments and document: <u>3</u>				

ASSIGNMENT

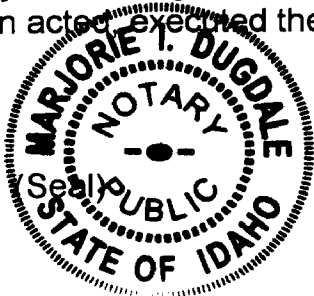
THIS ASSIGNMENT is by William M. Hiatt and Kyle K. Kirby (the "Assignors"), residing at 1137 West Stafford Drive, Eagle, Idaho 83616; and 10681 N. Sagecrest Place, Boise, Idaho 83703, respectively. We Assignors have invented one or more certain inventions (the "Invention(s)") described in a United States Patent Application entitled "MICROELECTRONIC DEVICES AND METHODS FOR FILLING VIAS IN MICROELECTRONIC DEVICES" (the "Application") and ☒ executed concurrently herewith; or ☐ filed on _____ as Application No. _____. We Assignors authorize the Assignee, identified below, or its representatives to insert the application number of the Application when known.

Micron Technology, Inc., a corporation of the State of Delaware having a place of business at 8000 South Federal Way, P.O. Box 6, Boise, Idaho 83706-9632 ("Assignee"), desires to acquire the entire right, title and interest in and to the Invention(s) and the Application, and in and to any patents (collectively, "Patents") that may be granted for the Invention(s) in the United States or in any foreign countries.

For valuable consideration, the receipt and sufficiency of which we acknowledge, Assignors hereby sell, assign, and transfer to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to: the Invention(s), the Application, and any Patents; any divisions, continuations, and continuations-in-part of the Application and any other application claiming priority rights from the Application; any reissues, reexaminations, or extensions of any and all Patents; the right to file foreign applications directly in the name of Assignee; and the right to claim priority rights deriving from the Application (collectively, the "Rights"). Assignors warrant that they are joint owners of the Rights, and that the Rights are unencumbered. Assignors also agree to not sign any writing or do any act conflicting with this assignment, and, without further compensation, sign all documents and do such additional acts as Assignee deems necessary or desirable to: perfect Assignee's enjoyment of the Rights; prepare and prosecute the Application or any other applications for Patents; conduct proceedings regarding the Rights, including any litigation or interference proceedings; or perfect or defend title to the Rights. Assignors request the Commissioner of Patents to issue any Patent of the United States that may be issued on the Invention(s) to Assignee. This Assignment may be executed in counterparts.

Date: 12.04.03William M. Hiatt
William M. HiattSTATE OF IdahoCOUNTY OF Ada

On December 4 before me, William M. Hiatt, personally appeared William M. Hiatt, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.



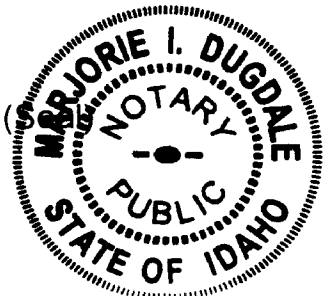
WITNESS my hand and official seal.

Marjorie I. Dugdale
Signature 11/12/2009

* * * * *

Date: 12/4/03Kyle K. Kirby
Kyle K. KirbySTATE OF IdahoCOUNTY OF Ada

On December 4 before me, Kyle K. Kirby, personally appeared Kyle K. Kirby, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.



WITNESS my hand and official seal.

Marjorie I. Dugdale
Signature 11/12/2009