

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Kyle K. Kirby</td><td>02/04/2010</td></tr><tr><td>Kunal R. Parekh</td><td>02/05/2010</td></tr><tr><td>Sarah A. Niroumand</td><td>02/04/2010</td></tr></tbody></table>		Name	Execution Date	Kyle K. Kirby	02/04/2010	Kunal R. Parekh	02/05/2010	Sarah A. Niroumand	02/04/2010		
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Kyle K. Kirby	02/04/2010										
Kunal R. Parekh	02/05/2010										
Sarah A. Niroumand	02/04/2010										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Micron Technology, Inc.</td></tr><tr><td>Street Address:</td><td>8000 S. Federal Way</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>83707-0006</td></tr></table>		Name:	Micron Technology, Inc.	Street Address:	8000 S. Federal Way	City:	Boise	State/Country:	IDAHO	Postal Code:	83707-0006
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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>12701800</td></tr></tbody></table>		Property Type	Number	Application Number:	12701800						
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Application Number:	12701800										
CORRESPONDENCE DATA											
Fax Number: (206)359-4209 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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ATTORNEY DOCKET NUMBER:	108298987US										
NAME OF SUBMITTER:	Stephen P. Whelan										
Total Attachments: 4 source=8987_Assignment#page1.tif source=8987_Assignment#page2.tif											

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ASSIGNMENT BY INVENTORS

This Assignment is by Kyle K. Kirby; Kunal R. Parekh; and Sarah A. Niroumand (the "Assignors"), residing at 2611 E. Margate Court, Eagle, Idaho 83616; 677 N. Morningside Way, Boise, Idaho 83712; and 10882 Blackhawk Drive, Boise, Idaho 83709, respectively. The Assignors have invented one or more certain inventions (the "Invention(s)") described in a Patent application for Letters Patent of the United States entitled MICROELECTRONIC DEVICES WITH THROUGH-SUBSTRATE INTERCONNECTS AND ASSOCIATED METHODS OF MANUFACTURING (the "Application"), executed concurrently herewith and naming the Assignors as inventors. The 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 Delaware having its principal place of business at 8000 S. Federal Way, Boise, Idaho 83707-0006 ("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 Assignors 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 Assignors own 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; 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.

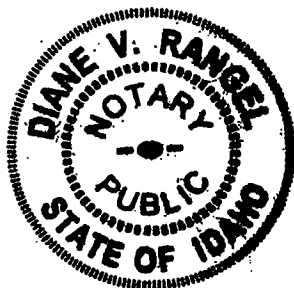
Kyle K. Kirby
 Kyle K. Kirby

Date: 2/4/10

United States of America)
 State of Idaho)
 County of Ada)

On this 4th day of February, Diane V. Rangel before me
 personally came Kyle K. Kirby, to me known to be the individual
 described in and who executed the foregoing instrument, and acknowledged execution
 of the same.

Diane V. Rangel
 Notary Public

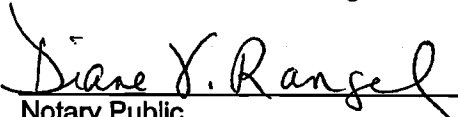


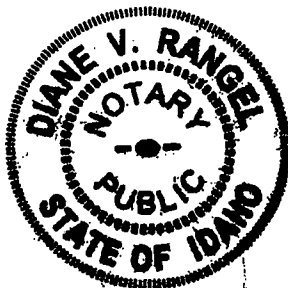

Kunal R. Parekh

Date: 2/5/2010

United States of America)
State of Idaho)
County of Ada)

On this 5th day of February, Diane V. Rangel, before me
personally came Kunal R. Parekh, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.


Notary Public



Sarah A. Niroumand
Sarah A. Niroumand

Date: 2/4/10

United States of America)
State of Idaho)
County of Ada)

On this 4th day of February, Diane V. Rangel, before me
personally came Sarah A. Niroumand, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.

Diane V. Rangel
Notary Public

