

# PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
Timothy M. Hollis		02/04/2009
RECEIVING PARTY DATA		
Name:	Micron Technology, Inc.	
Street Address:	8000 S. Federal Way	
City:	Boise	
State/Country:	IDAHO	
Postal Code:	83707	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	12366379	
CORRESPONDENCE DATA		
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ATTORNEY DOCKET NUMBER:	872-0286US	
NAME OF SUBMITTER:	Terril Lewis	
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif		

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PATENT  
REEL: 022213 FRAME: 0373

A S S I G N M E N T

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned inventors (referred to as the "Assignor" whether singular or plural), does hereby:

SELL, ASSIGN, AND TRANSFER to Micron Technology, Inc., having a place of business at 8000 S. Federal Way, Boise, ID 83707-0006 ("Assignee") its entire worldwide right, title, and interest in and to:

any and all inventions which are disclosed or claimed in the following patent application ("inventions") which is to be filed, entitled:

*Data Encoding Using Spare Channels in a Memory System*, which is executed by signing a declaration concurrently herewith;

and improvements thereof (hereinafter "inventions or improvements"), including any and all inventions or improvements which have been or might be disclosed or claimed in a divisional, continuation, continuation-in-part, substitute, provisional, non-provisional, renewal, reissue, or other application based off of the above-referenced patent application or claiming priority to the above-referenced patent application;

and all original, reissued, or reexamined patents or applications which have been or shall be issued or filed in the United States or in foreign countries on such inventions or improvements;

The Assignor further:

AUTHORIZES AND REQUESTS the issuing authority to issue any and all United States or foreign patents granted on such inventions or improvements to the Assignee;

WARRANTS AND COVENANTS that no assignment, grant, mortgage, license or other agreement affecting the rights herein conveyed has been or will be made to others by the Assignor, and that the full right to convey the same as herein expressed is possessed by the undersigned, except to the extent that the Assignor has previously already assigned it rights to the Assignee, in which case this present assignment should not be understood to affect any such rights already transferred to the Assignee; and

COVENANTS, when requested and at the expense of the Assignee, to: carry out in good faith the intent and purpose of this assignment; to execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such inventions or improvements; to execute all rightful oaths, declarations, assignments, powers of attorney and other papers necessary to perfect the rights hereby transferred to the Assignee; and generally to do everything possible which the Assignee shall consider desirable for vesting title to such

inventions or improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such inventions or improvements.

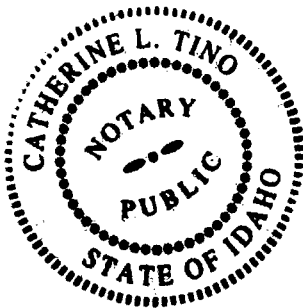
TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

1. Timothy M. Hollis 2/4/09  
Timothy M. Hollis Date

STATE OF Idaho  
COUNTY OF Ada

BEFORE ME, the undersigned authority, on this day personally appeared **Timothy M. Hollis**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same for the purposes and consideration herein expressed.

GIVEN UNDER MY HAND and seal of office this 4<sup>th</sup> day of February, 2009.



Catherine L. Tino  
Notary Public in and for the  
State of Idaho