

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Stephen P. Van Aken	02/29/2012
RECEIVING PARTY DATA	
Name:	Micron Technology, Inc.
Street Address:	8000 South Federal Way
City:	Boise
State/Country:	IDAHO
Postal Code:	83716-9632
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13412539
CORRESPONDENCE DATA	
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Address Line 1:	17933 NW Evergreen Parkway, Suite 250
Address Line 4:	Beaverton, OREGON 97006
ATTORNEY DOCKET NUMBER:	113.P167/2011-0083.00/US
NAME OF SUBMITTER:	Kristi Schroeder
Total Attachments: 2 source=Assign113P167#page1.tif source=Assign113P167#page2.tif	

CH \$40.00 13412539

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Stephen P. Van Aken

Serial No.: TBD

Filed: TBD

For: **Apparatuses and Methods for  
Encoding Using Error Protection  
Codes**

§  
§ Group Art Unit: TBD  
§  
§ Examiner: TBD  
§  
§ Atty. Docket: 113.P167/2011-  
§ 0083.00/US  
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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 Delaware having a place of business at 8000 S. Federal Way, Boise, Idaho 83716-9632, 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 has been executed by the undersigned concurrently herewith and is entitled: 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;

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;

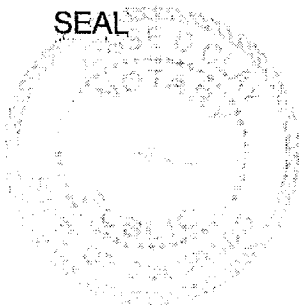
COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all 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) Stephen P. Van Aken Date: 2-29-2012  
Stephen P. Van Aken

STATE OF Colorado  
County of Boulder ss.

BEFORE ME, this 29 day of February <sup>12JC</sup> 2014, 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 (they) executed the same of his/her (their) own free will for the purpose therein expressed.



Jesse S. Gray  
Notary or Consular Officer  
My Commission Expires: 10/12/2015