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| PATENT ASSIGNMENT COVER SHEET |
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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| STEVEN R. NARUM | 11/09/2011 |
| 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: | 14520732 |
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| ATTORNEY DOCKET NUMBER: | 1002.1010007[11-021301US] |
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| SIGNATURE: | /Jacob T. Kern/ |
| DATE SIGNED: | 10/22/2014 |
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Docket No. 1002.1010001

Steven R. Narum

Disclosure No. 2011-0213.00/US

Filed: Concurrently Herewith

For : APPARATUSES AND METHODS FOR STORING VALIDITY MASKS
AND OPERATING APPARATUSES

ASSIGNMENT

____ Enclosed for recording

____ Previously, recorded

Date: _____

Reel: _____

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

SELL, ASSIGN, AND TRANSFER TO **Micron Technology, Inc.** (the "Assignee"), a corporation of Delaware, having a place of business at 8000 South 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 of America;

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

