

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4925638

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
EIICHI NAKANO	04/03/2018
MARK E. TUTTLE	04/19/2018
RECEIVING PARTY DATA	
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State/Country:	IDAHO
Postal Code:	83707-0006
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15852339
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NAME OF SUBMITTER:	SAM BEARD
SIGNATURE:	/Sam Beard/
DATE SIGNED:	04/20/2018
Total Attachments: 3	
source=2018-04-20 Assignment as Filed (010829-9258.US00)#page1.tif	
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ASSIGNMENT BY INVENTORS

This Assignment is by the following individuals (the "Assignors"):

- Eiichi Nakano, having a mailing address of 4463 S. Epsilon Ave., Boise, ID 83716; and
- Mark E. Tuttle, having a mailing address of 4173 W. Highland Fall Ct., Meridian, ID 83646.

The Assignors invented one or more certain inventions (the "Invention(s)") described in an application for Letters Patent of the United States titled SEMICONDUCTOR DEVICES HAVING ELECTRICALLY AND OPTICALLY CONDUCTIVE VIAS, AND ASSOCIATED SYSTEMS AND METHODS, naming the Assignors as inventors, and filed on December 22, 2017 as U.S. Application No. 15/852,339 (the "Application"). The Assignors authorize the Assignee, identified below, or its representatives to insert the application number and filing date of the Application when known.

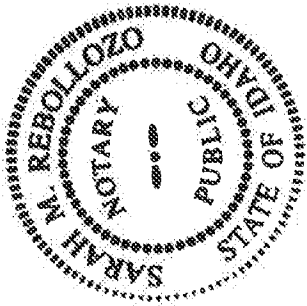
Micron Technology, Inc., a corporation of Delaware having its principal place of business at 8000 S. Federal Way, P.O. Box 6, Boise, Idaho 83707-0006 ("Assignee"), desires to acquire the entire right, title and interest in and to the Invention(s) and the Application, and in and to any patents (collectively, "Patents") that may be granted for the Invention(s) in the United States or in any foreign countries.

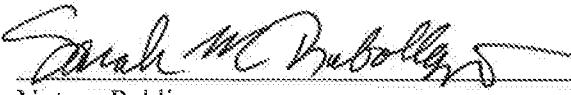
For valuable consideration, the receipt and sufficiency of which Assignors acknowledge, Assignors hereby sell, assign, and transfer to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to: the Invention(s), the Application, and any Patents; any divisions, 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.

Date: 4-19-2018


Mark E. Tuttle

On this 19th day of April, 2018, before me personally came **Mark E. Tuttle**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

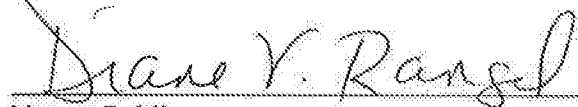



Notary Public

Date: Apr 3rd '18


Eiichi Nakano

On this 3rd day of April, 2018, before me
personally came **Eiichi Nakano**, to me known to be the individual described in and who executed the
foregoing instrument, and acknowledged execution of the same.


Notary Public

