

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
OWEN R. FAY	06/12/2019
CHAN H. YOO	06/12/2019
MARK E. TUTTLE	06/12/2019
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Property Type	Number
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DATE SIGNED:	06/13/2019
Total Attachments: 3	
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ASSIGNMENT BY INVENTORS

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

- Owen R. Fay, having a mailing address of 4083 E. Easy Jet Drive, Meridian, Idaho 83642;
- Chan H. Yoo, having a mailing address of 4516 S. Axiom Ave, Boise, Idaho 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 **THREE-DIMENSIONAL STACKING SEMICONDUCTOR ASSEMBLIES AND METHODS OF MANUFACTURING THE SAME**, naming the Assignors as inventors, and filed on _____ as U.S. Application No. _____ (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

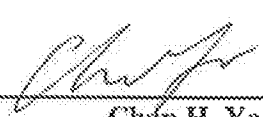
Patent of the United States that may be issued on the Invention(s) to Assignee. This Assignment may be executed in counterparts.

Date: 6/12/19



Owen R. Fay

Date: 6/12/19



Chan H. Yoo

Date: _____

Mark E. Tuttle

Patent of the United States that may be issued on the Invention(s) to Assignee. This Assignment may be executed in counterparts.

Date: _____

Owen R. Fay

Date: _____

Chan H. Yoo

Date: 6/12/2019



Mark E. Tuttle