506001907 04/06/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHAN YOO	01/09/2013
TODD O. BOLKEN	01/09/2013

RECEIVING PARTY DATA

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City:	BOISE
State/Country:	IDAHO
Postal Code:	83707-0006

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16840794

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ATTORNEY DOCKET NUMBER:	010829-9087.US04
NAME OF SUBMITTER:	CHRISTINE DUNN
SIGNATURE:	/Christine Dunn/
DATE SIGNED:	04/06/2020

Total Attachments: 4

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> **PATENT** REEL: 052323 FRAME: 0244

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ASSIGNMENT BY INVENTORS

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

- Chan Yoo, having a mailing address of 4516 S. Axiom Avenue, Boise, Idaho 83716;
 and
- Todd O. Bolken, having a mailing address of 2147 East Skokie Drive, Eagle, Idaho 83616.

The Assignors invented on	e or more certain inventions (the	"Invention(s)") described in
an application for Letters Patent c	f the United States titled SEMIC	ONDUCTOR DEVICE
ASSEMBLY WITH THROUGH-PA	ACKAGE INTERCONNECT AND	ASSOCIATED SYSTEMS,
DEVICES, AND METHODS, nam	ing the Assignors as inventors, a	ind filed on
	as U.S. Application No.	(the
"Application"). The Assignors aut	horize the Assignee, identified bo	alow, or its representatives
to insert the application number a	nd filing date of the Application w	hen 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

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Attorney Docket No. 10829-9087.US00 Micron Docket No. 2012-0504.00/US

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.

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PATENT REEL: 052323 FRAME: 0246

Date: <u> </u>	Charge
	Chan Yoo
United States of America)
State of Taho) ss.:
County of <u>Q</u> dム)
On this 9th day of To	<u>nuary</u> , <u>2013</u> , before me
personally came <u>Chan Yoo,</u> to me kr the foregoing instrument, and acknov	nown to be-the individual described in and who executed
	Diane V. Rangel
	Notary Public



Date: 1-9-2013	Codd Bolh
	Todd O. Bolken
United States of America	
State of <u>Idaho</u>	\$8.:
County of <u>aaa</u>)	
On this 9th day of JAn	<u>uary</u> ,2013, before me
	me known to be the individual described in and who
executed the foregoing instrument, an	d acknowledged execution of the same.
e en	Francy, Rangel
THE PROPERTY OF THE PROPERTY O	Notary Public

10829-9087.US00/LEGAL25523886.1

RECORDED: 04/06/2020

PATENT REEL: 052323 FRAME: 0248