

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4784490

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YUHENG ZHANG	01/03/2018
GORDON YEE	01/12/2018
YIBO YIN	01/03/2018
TZ-YI LIU	01/03/2018
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<b>Street Address:</b>	6900 DALLAS PARKWAY
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<b>City:</b>	PLANO
<b>State/Country:</b>	TEXAS
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15870390
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	29042/620
<b>NAME OF SUBMITTER:</b>	JOSEPH J. HAWKINS
<b>SIGNATURE:</b>	/Joseph J. Hawkins/
<b>DATE SIGNED:</b>	01/16/2018
<b>Total Attachments: 6</b>	

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## ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned inventor(s) hereby sell, assign, and transfer (and have sold, assigned, and transferred) to:

### **SanDisk Technologies LLC**

a Texas corporation having a place of business at Two Legacy Town Center, 6900 North Dallas Parkway, Suite 325, Plano, Texas 75024, USA (hereinafter referred to as the "Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all other countries, in and to any and all inventions and improvements that are disclosed in the following applications for patent:

### **VOLATILE MEMORY OPERATION PULSE CONTROL**

which was filed on July 12, 2017

as United States Provisional Patent Application No. 62/531,832

**AND**

### **SYSTEMS AND METHODS FOR ON-DIE CONTROL OF MEMORY COMMAND, TIMING, AND/OR CONTROL SIGNALS**

**(I hereby authorize and request any attorney having appropriate authority from the Assignee to insert on the designated lines below, the filing date and application number of said application when known.)**

which was filed on January 12, 2018

as United States Patent Application No. 15/870,390

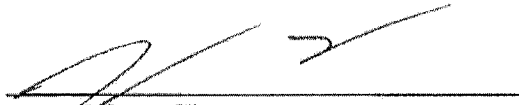
which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

and in and to said application and all Additional Applications, and all other patent applications that have been or shall be filed in the United States and all other countries and international filing offices on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all other countries and international filing offices on said inventions and improvements; and in and to all rights of priority resulting from the filing of said applications; as used herein "Additional Applications" includes but is not limited to design, utility, utility model, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and national phase applications on said inventions and improvements;

and agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all Additional Applications, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Assignment of 29042/620 (WDA-3303-US) signed on the date indicated beside my signature:



**Yuheng Zhang**

Address:

19452 Via Real Dr  
Saratoga, CA 95070

1/3/2018

**Date signed**

Assignment of 29042/620 (WDA-3303-US) signed on the date indicated beside my signature:

*Gordon Yee*  
Gordon Yee  
Address:  
120 SPURAWAY DRIVE  
SAN MATEO, CA 94403

Jan 12, 2018  
Date signed

Assignment of 29042/620 (WDA-3303-US) signed on the date indicated beside my signature:



Yibo Yin

Address:

126 Elm St. Apt 204

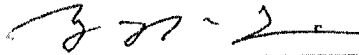
San Mateo

CA 94401

01/03/2018

Date signed

Assignment of 29042/620 (WDA-3303-US) signed on the date indicated beside my signature:



**Tz-Yi Liu**

Address:

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Palo Alto, CA 94306

1/3/2018

**Date signed**