

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT6664588

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
XIANG YANG	06/28/2018
AARON LEE	06/28/2018
GERRIT JAN HEMINK	06/28/2018
KEN OOWADA	06/29/2018
TORU MIWA	06/29/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SANDISK TECHNOLOGIES LLC
<b>Street Address:</b>	5080 SPECTRUM DRIVE
<b>Internal Address:</b>	SUITE 1050W
<b>City:</b>	ADDISON
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	75001
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	17227820
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(415)489-4150
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	415-489-4100
<b>Email:</b>	wgoy@vierramagen.com
<b>Correspondent Name:</b>	JEFFREY R. KURIN
<b>Address Line 1:</b>	VIERRA MAGEN MARCUS LLP
<b>Address Line 2:</b>	2001 JUNIPERO SERRA BLVD., SUITE 515
<b>Address Line 4:</b>	DALY CITY, CALIFORNIA 94014
<b>ATTORNEY DOCKET NUMBER:</b>	SAND-03310US1
<b>NAME OF SUBMITTER:</b>	JEFFREY R. KURIN
<b>SIGNATURE:</b>	/Jeffrey R. Kurin/
<b>DATE SIGNED:</b>	04/20/2021

**Total Attachments: 5**

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## ASSIGNMENT

### The Application(s)

Docket No.	Application Serial No.	Filing Date	Title
WDA-3709-US	16/024,002	06/29/2018	CONCURRENT PROGRAMMING OF MULTIPLE CELLS FOR NON-VOLATILE MEMORY DEVICES

Whereas, the undersigned inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") disclosed in the Application(s);

Whereas, SanDisk Technologies LLC, a Limited Liability of the State of Texas having a place of business at 6900 Dallas Parkway, Suite 325 Legacy Town Center Plano, TX 75024 US ("Assignee"), desires to acquire, and each undersigned inventor desires to grant to Assignee, the entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto, including but not limited to the Application(s);

Now, therefore, in consideration of and in exchange for the sum of ONE UNITED STATES DOLLAR (US \$1.00) paid in hand, and other good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor hereby sells or has sold, assigns or has assigned, and otherwise transfers or has transferred to Assignee, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the Invention, the Application(s), and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, continuations-in-part, reissues, reexaminations, renewals, restorations, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. Each undersigned inventor agrees that, if the data above regarding the Application(s) is incomplete, the missing data may be added hereto after receipt of the same from the patent office(s) in which the Application(s) are filed.

In addition, each undersigned inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to Assignee, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by Assignee, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, to Assignee, its

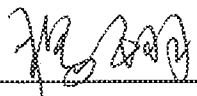
successors, legal representatives, and assigns, whenever requested by Assignee, its successors, legal representatives, or assigns.

Each undersigned inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to Assignee and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned inventor also hereby grants Assignee, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, Patent Application Number) which may be necessary or desirable for recordation of this Assignment. This Assignment is governed by the substantive laws of the State of Utah, and any disputes will be resolved in a Utah state court or federal court sited in Utah.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

IN WITNESS WHEREOF, we have respectively hereunto set our hands and/or seals:

(1) Legal Name of Inventor: Xiang YANG

Signature:  Date: 06/28/2018  
City and State or Foreign Country of Residence: ~~San Jose, CA~~ Santa Clara, CA

(2) Legal Name of Inventor: Aaron LEE

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
City and State or Foreign Country of Residence: San Jose, CA

and all related patents and applications, to Assignee, its successors, legal representatives, and assigns, whenever requested by Assignee, its successors, legal representatives, or assigns.

Each undersigned inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to Assignee and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned inventor also hereby grants Assignee, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, Patent Application Number) which may be necessary or desirable for recordation of this Assignment. This Assignment is governed by the substantive laws of the State of Utah, and any disputes will be resolved in a Utah state court or federal court sited in Utah.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

IN WITNESS WHEREOF, we have respectively hereunto set our hands and/or seals:

**(1) Legal Name of Inventor: Xiang YANG**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

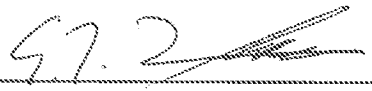
City and State or Foreign Country of Residence: \_\_\_\_\_ San Jose, CA \_\_\_\_\_

**(2) Legal Name of Inventor: Aaron LEE**

Signature:  Date: 6/28/2018

City and State or Foreign Country of Residence: \_\_\_\_\_ Sunnyvale, CA \_\_\_\_\_

(3) Legal Name of Inventor: Gerrit Jan HEMINK

Signature:  Date: 6/28/2018

City and State or Foreign Country of Residence: San Jose, CA

(4) Legal Name of Inventor: Ken OOWADA

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

City and State or Foreign Country of Residence: San Jose, CA

(5) Legal Name of Inventor: Toru MIWA

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

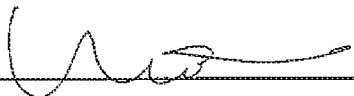
City and State or Foreign Country of Residence: San Jose, CA

(3) Legal Name of Inventor: **Gerrit Gertjan HEMINK**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

City and State or Foreign Country of Residence: San Jose, CA

(4) Legal Name of Inventor: **Ken OOWADA**

Signature:  Date: Jun 29, 2018

City and State or Foreign Country of Residence: Kanagawa, Japan

(5) Legal Name of Inventor: **Toru MIWA**

Signature:  Date: 6/29/2018

City and State or Foreign Country of Residence: Kanagawa, Japan