# 505368981 03/11/2019 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5415773

SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT	
CONVEYING PARTY	ΔΑΤΑ			
		Name	Execution Date	
YU-CHUNG LIEN			02/01/2019	
XIANG YANG			02/21/2019	
ZHENMING ZHOU			02/21/2019	
DEEPANSHU DUTTA			02/21/2019	
RECEIVING PARTY D	ΑΤΑ			
Name:	Iame: SANDISK TECHNOLOGIES LLC			
Street Address:	5080 SP	5080 SPECTRUM DRIVE		
City:	ADDISO	ADDISON		
State/Country:	TEXAS	TEXAS		
Postal Code:	75001	75001		
PROPERTY NUMBERS Total: 1 Property Type				
Property Type	•	Number		
Property Type Application Number:		Number 6283441		
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Application Number: CORRESPONDENCE Fax Number: Correspondence will I using a fax number, if Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 2: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER SIGNATURE: DATE SIGNED:	IDATA (4 be sent to f provided; 4 S S S S S S S S S S S S S S S S S S	415)489-4150 the e-mail address first; if that is unsult if that is unsuccessful, it will be sent of 154894100 SGOPALAN@VIERRAMAGEN.COM RONALD M. POMERENKE /IERRA MAGEN MARCUS LLP 2001 JUNIPERO SERRA BLVD., SUITE 5 OALY CITY, CALIFORNIA 94014 SAND-02339US0 RONALD M. POMERENKE /RonaldMPomerenke#43009/ 03/11/2019 if	via US Mail.	

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#### JOINT TO CORPORATE ASSIGNMENT

WHEREAS, the undersigned Inventors:

- (1) Yu-Chung Lien, a resident of San Jose, California;
- (2) Xiang Yang, a resident of Santa Clara, California;
- (3) Zhenming Zhou, a resident of San Jose, California; and
- (4) Deepanshu Dutta, a resident of Sunnyvale, California,

have invented certain new and useful improvements in:

#### MANAGING BIT-LINE SETTLING TIME IN NON-VOLATILE MEMORY

and have executed a declaration for an application for a United States Patent disclosing and identifying the invention, the declaration being executed on <u>February 21, 2019</u>.

WHEREAS SanDisk Technologies LLC (hereinafter termed "Assignee"), a limited liability company of the State of Texas, having a place of business at 5080 Spectrum Drive, Suite 1050W, Addison, State of Texas, 75001, wishes to acquire the entire right, title and interest in and

to said application and the invention disclosed therein, and in and to all embodiments of the inven - tion, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, certificates of invention and other forms of protection thereon (hereinafter termed "patents") applied for or granted in the United States and/or other countries.

NOW THEREFORE, for good and valuable consideration acknowledged by each of said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey to said Assignee, the entire right, title and interest (a) in and to said application and said invention; (b) in and to all right s to apply in any or all countries of the world for patents, certificates of inventions or other

governmental grants on said invention, including the right to apply for patents pursuant to the International Convention for the Protection of Industrial Property or pursuant to any other convention, treaty, agreement or understanding; (c) in and to any and all applications filed and any

and all patents, certificates of inventions or other governmental grants granted on said invention in the United States or any other country, including each and every application filed and each and every patent granted on any application which is a division, substitution, or continuation of any of said applications; (d) in and to each and every reissue or extension of any of said patents; and (e)

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in and to each and every patent claim resulting from a reexamination certificate for any and all of seid patents.

2 Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and other countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, executing of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for complying with any duty of disclosure; (c) for prosecuting any of said applications; (d) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (e) for filing and prosecuting applications for reissue of any of said patents; (f) for interference or other priority proceedings involving said invention; and (g) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, reexamination proceedings, compulsory licensing proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this Assignment shall inure to the benefit of said Assignce, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.

 Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

Date: 02/01/2019 (1) Vu-Chune Lien

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> PATENT REEL: 048565 FRAME: 0706

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Date: 02/21/2019 (2) Xiang Yang Page 3 Attorney Docket No. 8 AND-02339130 sand/2339/2339-assignment docs WDA-4128 PATENT

REEL: 048565 FRAME: 0707

Date: 02/21/2019 (3)

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Zhenming Zhou

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<u>0.0.16</u> Date: 2/21/2019 (4)Deepanshu Dutta Page 5 Attorney Dicket No.: SAND-02339(30) WDA-4228 sand/2319/2339-assignment dock

RECORDED: 03/11/2019