PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4846816

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
XIANG YANG	02/26/2018
STANLEY JEONG	02/27/2018
WEI ZHAO	02/26/2018
HUAI-YUAN TSENG	02/26/2018
DEEPANSHU DUTTA	02/26/2018

RECEIVING PARTY DATA

Name:	SANDISK TECHNOLOGIES LLC
Street Address:	6900 DALLAS PARKWAY
Internal Address:	SUITE 325
City:	PLANO
State/Country:	TEXAS
Postal Code:	75024

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15908239

CORRESPONDENCE DATA

Fax Number: (312)321-4299

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.

Email: pchiovari@brinksgilson.com, usassignments@brinksgilson.com

Correspondent Name: E. BRANDON NYKIEL Address Line 1: P.O. BOX 10395

Address Line 4: CHICAGO, ILLINOIS 60610

ATTORNEY DOCKET NUMBER:	10519-3518 (WDA-3540-US)
NAME OF SUBMITTER:	E,. BRANDON NYKIEL
SIGNATURE:	/E. Brandon Nykiel/
DATE SIGNED:	03/01/2018

Total Attachments: 4

source=10519_3518_ExecutedAssignment#page1.tif

PATENT REEL: 045078 FRAME: 0515

504800084

source=10519_3518_ExecutedAssignment#page2.tif source=10519_3518_ExecutedAssignment#page3.tif source=10519_3518_ExecutedAssignment#page4.tif

> PATENT REEL: 045078 FRAME: 0516

ASSIGNMENT

WHEREAS, XIANG YANG, STANLEY JEONG, WEI ZHAO, HUAI-YUAN TSENG and DEEPANSHU DUTTA, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled LOCKOUT NOISE REDUCTION CIRCUIT FOR STORAGE DEVICES, executed by Assignors on the same date as, or on a date prior to, this Assignment;

WHEREAS, **SanDisk Technologies LLC.**, a corporation organized and existing under the laws of the state of **Texas**, having a place of business at **6900 Dallas Parkway**, **Suite 325, Plano, Texas 75024**, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents issuing therefrom in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; together with the right to recover all damages, including, but not limited to, a reasonable royalty, by reason of past, present, or future infringement or any other violation of patent or patent application rights; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

> PATENT REEL: 045078 FRAME: 0517

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

700

DATE:	02/26/2018	XIANG YANG
DATE:	02/27/2018	Gwary hry STANLEY SEONG
DATE:	02/26/2018	WEI ZHAO
DATE:	7/26/18	HUAI-YUAN TSENG
DATE:		DEEPANSHU DUTTA

Case No. 10519-3518 (WDA-3540-US)

ASSIGNMENT

WHEREAS, XIANG YANG, STANLEY JEONG, WEI ZHAO, HUAI-YUAN TSENG and DEEPANSHU DUTTA, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled LOCKOUT NOISE REDUCTION CIRCUIT FOR STORAGE DEVICES, executed by Assignors on the same date as, or on a date prior to, this Assignment;

WHEREAS, **SanDisk Technologies LLC.**, a corporation organized and existing under the laws of the state of **Texas**, having a place of business at **6900 Dallas Parkway**, **Suite 325**, **Plano**, **Texas 75024**, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents issuing therefrom in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; together with the right to recover all damages, including, but not limited to, a reasonable royalty, by reason of past, present, or future infringement or any other violation of patent or patent application rights; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

> PATENT REEL: 045078 FRAME: 0519

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATE:			
		XIANG YANG	
DATE:		STANLEY JEONG	
		STANLE I DEUNG	
DATE:		WEI ZHAO	
DATE:			
DATE:		HUAI-YUAN TSENG	
DATE:	2/26/2018	D.D.16_	
		DEEPANSHU DUTTA	