

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SanDisk Corporation	04/04/2011
RECEIVING PARTY DATA	
Name:	SanDisk Technologies Inc.
Street Address:	6900 North Dallas Parkway
Internal Address:	Two Legacy Town Center
City:	Plano
State/Country:	TEXAS
Postal Code:	75024
PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	7583535
CORRESPONDENCE DATA	
Fax Number:	(408)801-9019
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	4088012863
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Correspondent Name:	SanDisk Corporation
Address Line 1:	601 Mccarthy Boulevard
Address Line 2:	Patent Department/Simona Benjamin
Address Line 4:	Milpitas, CALIFORNIA 95035
ATTORNEY DOCKET NUMBER:	SDA-1031X-US
NAME OF SUBMITTER:	Simona Benjamin
Total Attachments: 5 source=page 6#page1.tif source=page 6#page2.tif source=page 6#page3.tif source=page 6#page4.tif source=page 6#page5.tif	

**CH \$40.00 7583535**

## ASSIGNMENT

**WHEREAS**, SanDisk Corporation, a Delaware corporation, doing business at 601 McCarthy Boulevard, Milpitas, CA 95035 (hereinafter referred to as **ASSIGNOR**), holds right, title and interest throughout the world in and to the patents and patent applications set forth in the attached Exhibit A, together with all divisions, continuations, or continuations-in-part thereof, and all patents issuing thereon including reissues, renewals, substitutions, re-examinations and extensions thereof, and any and all corresponding foreign patents and patent applications (hereinafter referred to as, collectively, **THE ASSIGNED PATENT RIGHTS**);

**WHEREAS**, SanDisk Technologies Inc., a Texas corporation, doing business at Two Legacy Town Center, 6900 North Dallas Parkway, Plano, Texas 75024, (hereinafter referred to as **ASSIGNEE**), is desirous of acquiring the full and exclusive right, title and interest in **THE ASSIGNED PATENT RIGHTS**;

**NOW, THEREFORE**, for good and valuable consideration, the receipt of which is hereby acknowledged, **ASSIGNOR** hereby assigns, transfers and conveys unto the said **ASSIGNEE**, and **ASSIGNEE** accepts, all of **ASSIGNOR**'s right, title and interest throughout the world in and to **THE ASSIGNED PATENT RIGHTS** and to all Letters Patent or applications or similar legal protection, not only in the United States and its territorial possessions, but in all countries foreign thereto to be obtained for **THE ASSIGNED PATENT RIGHTS**, and to any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in the United States or a foreign country for the full term or terms for which the same may be granted, including all priority rights under the International Convention; and **ASSIGNOR** hereby authorizes and requests the United States Commissioner of Patents and Trademarks and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all patents for **THE ASSIGNED PATENT RIGHTS** to **ASSIGNEE** in accordance with the terms of this **ASSIGNMENT** but subject to reserved rights including but not limited to those previously retained by, granted to, or owned by, the United States government, educational institutions or both and hereby transfers and conveys all rights of action, power and benefit belonging to or accruing from **THE ASSIGNED PATENT RIGHTS** including the right to undertake proceedings to recover past and future damages and claim all other relief in respect of any acts of infringement thereof whether such acts shall have been committed before or after the date of this assignment.

No other rights, immunities, or licenses, including, without limitation, any rights to any intellectual property owned, controlled or licensable by **ASSIGNOR** are granted or assigned to **ASSIGNEE** under this **ASSIGNMENT**, either expressly or by implication, estoppel, or otherwise, other than the rights expressly recited herein.

**ASSIGNOR** hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would knowingly conflict with this Agreement;

**ASSIGNOR** further covenants that **ASSIGNEE** will, upon its lawful request, reasonably be provided with all pertinent facts and documents relating to **THE ASSIGNED PATENT RIGHTS** and legal equivalents as may be known and reasonably accessible to **ASSIGNOR** and that **ASSIGNOR** will testify as to the same in any administrative contest or litigation related thereto and will promptly execute and deliver to **ASSIGNEE** or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce **THE ASSIGNED PATENT RIGHTS** and said equivalents in the United States or in any foreign country, which may be necessary or desirable to carry out the purposes thereof.

IN TESTIMONY WHEREOF, I hereunto set my hand as of the date indicated below.

SANDISK CORPORATION

Dated: 4<sup>th</sup> April 2011

Judy Bruner  
Name: Judy Bruner  
Title: EVP 2nd CFO

STATE OF California )  
COUNTY OF Santa Clara ) ss.

On this 4<sup>th</sup> day of April, 2011, before me Averil Branwen Watan (Notary Public), the undersigned Notary Public, personally appeared Judy Bruner,

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature: Averil Watan  
Signature of Notary Public

We accept the Assignment

SANDISK TECHNOLOGIES INC.

Dated: 4/4/11

James F. Brelsford  
Name: James F. Brelsford  
Title: President and Secretary

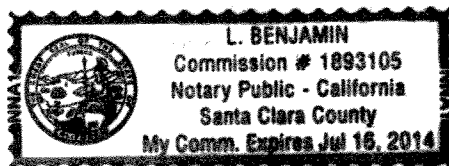
STATE OF California )  
COUNTY OF Santa Clara ) ss.

On this 4 day of April, 2011, before me L. Benjamin, the undersigned Notary Public, personally appeared JAMES F. BRELSFORD

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature: L. Benjamin  
Signature of Notary Public

**Exhibit A**

FILE #	INVENTORS	TITLE	COUNTRY	STATUS	SER #	FILING DATE	PAT #	ISSUE DATE
SDA-1014Y-US	Yingda Dong, Jeffrey Lutze, Dana Lee, Gerrit Jan Hemink	Systems for Programming Non-Volatile Memory with Reduced Program Disturb by Removing Pre-Charge Dependency on Word Line Data	US	Issued	11618594	29-Dec-06	7468918	23-Dec-08
SDA-1016-US	Loc Tu, Wanfang (Frank) Tsai	Defective Block Isolation in a Non-Volatile Memory System	US	Issued	11470945	7-Sep-06	7561482	14-Jul-09
SDA-1018X-US	Man Mui, Seungpil Lee	Complete Word Line Look Ahead with Efficient Data Latch Assignment in Non-Volatile Memory Read Operations	US	Issued	11617544	28-Dec-06	7615505	10-Nov-09
SDA-1018Y-US	Man Mui, Seungpil Lee	Systems for Complete Word Line Look Ahead with Efficient Data Latch Assignment in Non-Volatile Memory Read Operations	US	Issued	11617550	28-Dec-06	7616506	10-Nov-09
SDA-1021X-US	Nima Mokhlesi	Method of Forming a Flash NAND Memory Cell Array with Charge Storage Elements Positioned in Trenches	US	Issued	11614894	21-Dec-06	7642160	5-Jan-10
SDA-1021Y-US	Nima Mokhlesi	Flash NAND Memory Cell Array with Charge Storage Elements Positioned in Trenches	US	Issued	11614909	21-Dec-06	7800161	21-Sep-10
SDA-1022X-US	Dana Lee, Jeffrey Lutze	Method of Low Voltage Programming of Non-Volatile Memory Cells	US	Allowed	11614879	21-Dec-06		
SDA-1022Y-US	Dana Lee, Jeffrey Lutze	System for Low-Voltage Programming of Non-Volatile Memory Cells	US	Issued	11614884	21-Dec-06	7623389	24-Nov-09
SDA-1026X-US	Fabrice Jogand-Coulomb, David Guidry, Pascal Caillon, Benjamin Vigier	Methods for Launching a Program Application	US	Published	11647995	29-Dec-06		
SDA-1027X-US	Hem Takiar, Shrikr Bhagath	Method of Making a Semiconductor Device having Multiple Die Redistribution Layer	US	Issued	11617689	28-Dec-06	7560304	14-Jul-09
SDA-1027Y-US	Hem Takiar, Shrikr Bhagath	Semiconductor Device Having Multiple Die Redistribution Layer	US	Issued	11617687	28-Dec-06	7791191	7-Sep-10
SDA-1028X-US	Yigal Brandman, Kevin Conley	Methods of Varying Read Threshold Voltage in Nonvolatile Memory	US	Issued	11556615	3-Nov-06	7904788	8-Mar-11
SDA-1028Y-US	Yigal Brandman, Kevin Conley	Non-Volatile Memory with Variable Read Threshold	US	Issued	11556626	3-Nov-06	7558109	7-Jul-09
SDA-1029X-US	Yigal Brandman	Methods of Modulating Error Correction Coding	US	Issued	11556632	3-Nov-06	7904780	8-Mar-11
SDA-1029Y-US	Yigal Brandman	Non-Volatile Memory with Modulated Error Correction Coding	US	Published	11556636	3-Nov-06		
SDA-1031X-US	Deepak C. Sekar, Nima Mokhlesi	Biasing Non-Volatile Storage to Compensate for Temperature Variations	US	Issued	11618782	30-Dec-06	7583535	1-Sep-09
SDA-1031Y-US	Deepak C. Sekar, Nima Mokhlesi	Non-Volatile Storage with Bias for Temperature Compensation	US	Issued	11618786	30-Dec-06	7583539	1-Sep-09
SDA-1032X-US	Deepak C. Sekar, Nima Mokhlesi	Biasing Non-Volatile Storage Based on Selected Word Line	US	Issued	11618788	30-Dec-06	7468919	23-Dec-08
SDA-1032Y-US	Deepak C. Sekar, Nima Mokhlesi	Non-Volatile Storage with Bias based on on Selected Word Line	US	Issued	11618790	30-Dec-06	7554853	30-Jun-09
SDA-1034X-II-US	Deepak C. Sekar, Nima Mokhlesi	Applying Different Body Bias To Different Substrate Portions For Non-Volatile Storage	US	Published	12759581	13-Apr-10		
SDA-1034X-I-US	Deepak C. Sekar, Nima Mokhlesi	Applying Adaptive Body Bias to Non-Volatile Storage Based On Number Of Programming Cycles	US	Issued	12335803	16-Dec-08	7751244	6-Jul-10