

**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
Application Number:	11694948
CORRESPONDENCE DATA	
Fax Number:	(408)801-9019
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	4088012863
Email:	simona.benjamin@sandisk.com
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-1128Y-US
NAME OF SUBMITTER:	Simona Benjamin
Total Attachments: 5 source=page 10#page1.tif source=page 10#page2.tif source=page 10#page3.tif source=page 10#page4.tif source=page 10#page5.tif	

**CH \$40.00 11694948**

## 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

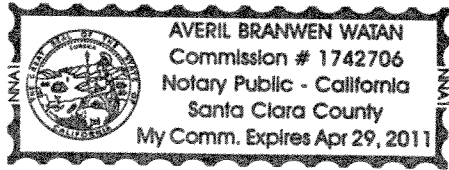
STATE OF California )  
COUNTY OF Santa Clara ) ss.

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

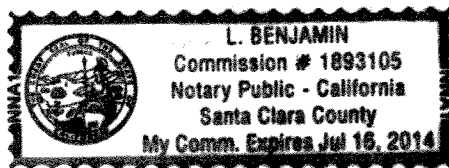
STATE OF California )  
COUNTY OF Santa Clara ) ss.

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-1126X-US	Henry Chin, Nima Mokhlesi	Guided Simulated Annealing in Non-Volatile Memory Error Correction Control	US	Published	11694951	31-Mar-07		
SDA-1126Y-US	Henry Chin, Nima Mokhlesi	Non-Volatile Memory with Guided Annealing Error Correction Control	US	Allowed	11694950	31-Mar-07		
SDA-1127-US	James Kai, Tuan D. Pham, Masaaki Higashitani, George Matamis, Takashi Orimoto	Integrated Non-Volatile Memory and Peripheral Circuitry Fabrication	US	Issued	12058512	28-Mar-08	7704832	27-Apr-10
SDA-1128X-US	Nima Mokhlesi, Henry Chin, Dengtao Zhao	Soft Bit Data Transmission for Error Correction Control in Non-Volatile Memory	US	Allowed	11694947	31-Mar-07		
SDA-1128Y-US	Nima Mokhlesi, Henry Chin, Dengtao Zhao	Non-Volatile Memory with Soft Bit Data Transmission for Error Correction Control	US	Allowed	11694948	31-Mar-07		
SDA-1130X-a-US	Nima Mokhlesi, Henry Chin, Dengtao Zhao	Method for Decoding Data in Non-Volatile Storage Using Reliability Metrics Based on Multiple Reads	US	Pending	13024676	10-Feb-11		
SDA-1130X-US	Nima Mokhlesi, Henry Chin, Dengtao Zhao	Method for Decoding Data in Non-Volatile Storage Using Reliability Metrics Based on Multiple Reads	US	Issued	11693649	29-Mar-07	7904793	8-Mar-11
SDA-1131X-US	Nima Mokhlesi, Dengtao Zhao, Henry Chin	Method for Reading Non-Volatile Storage Using Pre-Conditioning Waveforms and Modified Reliability Metrics	US	Issued	11693663	29-Mar-07	7797480	14-Sep-10
SDA-1133X-US	Alan M. Chiou, Bahman Qawami, Farshid Sabet-Sharghi	Method of Testing Memory Card Operation	US	Issued	11693644	29-Mar-07	7685478	23-Mar-10
SDA-1133Y-US	Alan M. Chiou, Bahman Qawami, Farshid Sabet-Sharghi	Extender Strip and Test Assembly for Testing Memory Card Operation	US	Issued	11693648	29-Mar-07	7676714	9-Mar-10
SDA-1134X-US	Hao Thai Nguyen, Seungoil Lee, Man Mui, Shahzad Khalid, Hock C So, Prashanti Govindu, Nima Mokhlesi, Deepak C. Sekar	Method for Sensing Negative Threshold Voltages in Non-Volatile Storage Using Current Sensing	US	Issued	11771982	29-Jun-07	7447079	4-Nov-08
SDA-1134Y-US	Hao Thai Nguyen, Seungoil Lee, Man Mui, Shahzad Khalid, Hock C So, Prashanti Govindu, Nima Mokhlesi, Deepak C. Sekar	Non-Volatile Storage Using Current Sensing of Sensing Negative Threshold Voltages	US	Issued	11771987	29-Jun-07	7532516	12-May-09
SDA-1135X-US	Hao Thai Nguyen, Seungoil Lee, Man Mui, Shahzad Khalid, Hock C So, Prashanti Govindu	Method for Current Sensing with Biasing of Source and P-Well in Non-Volatile Storage	US	Issued	11771992	29-Jun-07	7489554	10-Feb-09
SDA-1135Y-US	Hao Thai Nguyen, Seungoil Lee, Man Mui, Shahzad Khalid, Hock C So, Prashanti Govindu	Non-Volatile Storage Using Current Sensing with Biasing of Source and P-Well	US	Issued	11771997	29-Jun-07	7539060	26-May-09
SDA-1136P-US	Hao Thai Nguyen, Seungoil Lee, Man Mui	Temperature Compensation for Bit Lines During Erase Verify Operations in Non-Volatile Storage	US	Expired	60910404	5-Apr-07		
SDA-1137X-a-US	Raul-Adrian Cernea	Predictive Programming for Non-Volatile Memory	US	Allowed	12649184	29-Dec-09		
SDA-1137X-US	Raul-Adrian Cernea	Predictive Programming in Non-Volatile Memory	US	Issued	11733694	10-Apr-07	7643348	5-Jan-10
SDA-1137Y-US	Raul-Adrian Cernea	Non-Volatile Memory with Predictive Programming	US	Issued	11733706	10-Apr-07	7551483	23-Jun-09
SDA-1138X-US	Shai Traister	Scheduling Methods of Phased Garbage Collection and Housekeeping Operations in a Flash Memory System	US	Published	11769033	27-Jun-07		