

**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:	12650263
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-1494-US
NAME OF SUBMITTER:	Simona Benjamin
Total Attachments: 5 source=page 28#page1.tif source=page 28#page2.tif source=page 28#page3.tif source=page 28#page4.tif source=page 28#page5.tif	

**CH \$40.00 12650263**

## 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

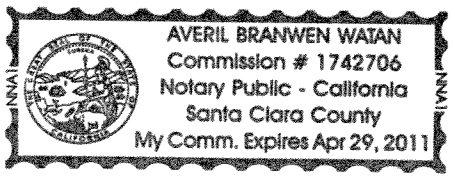
STATE OF California )  
COUNTY OF Santa Clara ) ss.

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

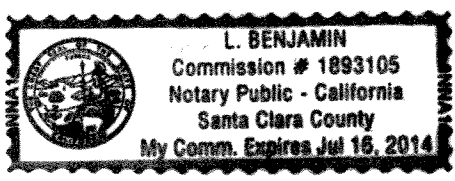
STATE OF California )  
COUNTY OF Santa Clara ) ss.

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-1475-US	Yingda Dong, Jun Wan	Dynamically Adjustable Erase and Program Levels for Binary Cache Blocks	US	Published	12504576	16-Jul-09		
SDA-1476-US	Changyuan Chen, Jeffrey Lutze, Yingda Dong, Cynthia Hsu	Programming Non-Volatile Storage With Fast Bit Detection and Verify Skip	US	Pending	12638853	15-Dec-09		
SDA-1477-US	Deepanshu Dutta, Henry Chin	PROGRAMMING MEMORY WITH REDUCED PASS VOLTAGE DISTURB AND FLOATING GATE-TO-CONTROL GATE LEAKAGE	US	Published	12536127	5-Aug-09		
SDA-1478-US	Yingda Dong, Toru Ishigaki, Ken Oowada	Program Voltage Compensation with Word Line Bias Change to Suppress Charge Trapping in Memory	US	Published	12512181	30-Jul-09		
SDA-1479-1-US	Feng Pan	Charge Pump with Vt Cancellation through Parallel Structure	US	Published	12570646	30-Sep-09		
SDA-1480-US	Steven Cheng, Aruna Gutta	NONVOLATILE MEMORY CONTROLLER WITH SCALABLE PIPELINED ERROR CORRECTION	US	Pending	12563455	21-Sep-09		
SDA-1481-US	Ekram Hossain Bhuiyan, Shufan Chan	TEMPERATURE-STABLE OSCILLATOR CIRCUIT HAVING FREQUENCY-TO-CURRENT FEEDBACK	US	Pending	12650208	30-Dec-09		
SDA-1482-US	Neil Hutchinson, Alan Bennett, Sergey Anatolievich Gorobets, Steven T. Sprouse	Erase Command Caching to improve erase performance on flash memory	US	Pending	12651176	31-Dec-09		
SDA-1483-US	Damian Yurzola, Sergey Anatolievich Gorobets, Neil Hutchinson, Eran Erez	Physical Compression of data with flat or systematic pattern	US	Pending	12651133	31-Dec-09		
SDA-1484-US	Vinod Robert Purayath, James Kai, Masaaki Higashitani, Takashi Orimoto, George Matamis, Henry Chien	Integrated Nanostructure-Based Non-Volatile Memory Fabrication	US	Published	12840081	20-Jul-10		
SDA-1489-US	Jack Chang Chien, Kong Hoo KH Ong, Weili Wang, Li Wang, Xingzhi Nemo Liang, Shicai Ma	System for Separating a Diced Semiconductor from a Die Attach Tape	US	Pending	12709952	22-Feb-10		
SDA-1490-US	Ben (Chenche) Huang, Albert Chun-Ming Wang, Masaaki Higashitani	Hybrid Bit-Line Contact and Metal Contact via Design For Non-Volatile Storage	US	Published	12813437	10-Jun-10		
SDA-1491-US	Xiaoyu Yang, Qing Li, Albert T. Meeks, Kim Le	Non-Volatile Memory with Reduced Mobile Ion Diffusion	US	Allowed	12560727	16-Sep-09		
SDA-1492-US	Feng Pan	Techniques to Improve Differential Non-Linearity in R-2R Circuits	US	Issued	12645200	22-Dec-09	7903014	8-Mar-11
SDA-1493-US	Zac Shepard, Xiaoyu Yang, Albert T. Meeks, Qing Li, Enosh Levi, Kim Le, Raz Dan, Brian Murphy	Maintaining Integrity of Preloaded Content in Non-Volatile Memory During Surface Mounting	US	Pending	12569869	29-Sep-09		
SDA-1494-US	Robert David Selinger, Gary Lin, Paul Lassa, Chaoyang Wang	Method and Controller for Performing a Copy-Back Operation	US	Pending	12650263	30-Dec-09		
SDA-1495-US	Manuel Antonio D'Abreu, Steve Skala, Carlos J. Gonzalez	System and Method Correct Data Errors Using A Stored Count of Bit Values	US	Pending	12695038	27-Jan-10		
SDA-1496-US	Jason Lin, Ron Barzilai	Storage Device and Method for Providing a Scalable Content Protection System	US	Pending	12651153	31-Dec-09		
SDA-1497-US	Adam Mashaal, Hagai Heshes, Yaron Sheba, Michael McMurdie, Greg Stevens, John Becker, Erez Testiler, Dave Marini	Systems, Methods and Computer Readable Media for Configuring a Rewriteable Non-Volatile Memory for Presentation of Media by a Selected Media Presentation Device Model	US	Pending	12624032	23-Nov-09		