

**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:	12827869
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-1513C-US
NAME OF SUBMITTER:	Simona Benjamin
Total Attachments: 5 source=page 29#page1.tif source=page 29#page2.tif source=page 29#page3.tif source=page 29#page4.tif source=page 29#page5.tif	

**CH \$40.00 12827869**

## 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

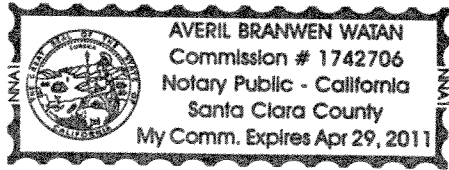
STATE OF California )  
COUNTY OF Santa Clara ) ss.

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

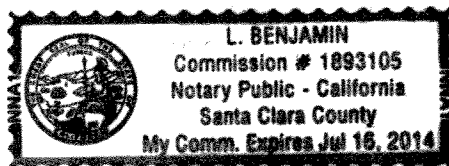
STATE OF California )  
COUNTY OF Santa Clara ) ss.

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-1498-US	Yaron Sheba, Derek Niizawa, John Becker, Erez Testiler	Methods, Systems, and Computer Readable Media for Automatic Generation of Graphic Artwork to be Presented During Displaying, Playing or Browsing of Media Files	US	Pending	12624372	23-Nov-09		
SDA-1499-US	Deepanshu Dutta, Jeffrey Lutze, Grishma Shailesh Shah	Data State-Dependent Channel Boosting to Reduce Channel to Floating Gate Coupling in Memory	US	Pending	12616269	11-Nov-09		
SDA-1500-US	Fanglin Zhang, Jongmin Park, Man Mui, Alexander Chu, Seungpil Lee	Voltage Generator To Compensate Sense Amplifier Trip Point Over Temperature In Non-Volatile Memory	US	Pending	12617860	13-Nov-09		
SDA-1501-US	Deepanshu Dutta, Gerrit Jan Hemink	Programming non-volatile memory with a reduced number of verify operations	US	Pending	12625883	25-Nov-09		
SDA-1502-US	Yingda Dong, Yan Li, Cynthia Hsu	Mitigating Channel Coupling Effects During Sensing of Non-Volatile Storage Elements	US	Pending	12773701	4-May-10		
SDA-1504-US	Gen Pei-Lauer, Lanlan Gu, Nima Mokhlesi, Idan Alrod, Eran Sharon, Itshak Afriat	IDENTIFYING AT-RISK DATA IN NON-VOLATILE STORAGE	US	Pending	12694118	26-Jan-10		
SDA-1505-I-US	Itzhak Pomerantz, Robert C Miller	MicroSD Memory Card with Different Color Surfaces	US	Issued	29359213	7-Apr-10	D628202	30-Nov-10
SDA-1505-US	Itzhak Pomerantz, Robert C Miller	MicroSD Memory Card with Different Color Surfaces	US	Pending	29345635	20-Oct-09		
SDA-1506-I-US	Itzhak Pomerantz, Robert C Miller	MicroSD Memory Card with a Semi-Transparent Color Surface	US	Pending	29359216	28-Feb-11		
SDA-1506-US	Itzhak Pomerantz, Robert C Miller	MicroSD Memory Card with a Semi-Transparent Color Surface	US	Pending	29345641	20-Oct-09		
SDA-1507-US	Itzhak Pomerantz	MicroSD Memory Card with Colored Grip	US	Pending	29345643	20-Oct-09		
SDA-1508-US	Henry R Hutton	Storage Device and Method for Providing a Partially-Encrypted Content File to a Host Device	US	Pending	12836049	14-Jul-10		
SDA-1509-US	Feng Pan	Multi-Stage Charge Pump With Variable Number of Boosting Stages	US	Pending	12634385	9-Dec-09		
SDA-1511-US	Sergey Anatolevich Gorobets, Alan Bennett, Charles Michael Schroter, Eugene Zilberman	Synchronized Maintenance operations in multi-bank storage system	US	Pending	12895383	30-Sep-10		
SDA-1512-US	Deepak Pancholi, Ekram Hossain Bhuiyan, Steve Chi, Naidu Prasad, Bhavin Odedara	Partial Feedback Mechanism in Voltage Regulators to Reduce Output Noise Coupling and DC Voltage Shift at Output	US	Pending	12632998	8-Dec-09		
SDA-1513A-US	Johann Alsmeyer, Vinod Robert Purayath, Henry Chien, George Matamis, Yao-Sheng Lee, James Kai, Yuan Zhang	ULTRAHIGH DENSITY VERTICAL NAND MEMORY DEVICE AND METHOD OF MAKING THEREOF	US	Pending	12827947	30-Jun-10		
SDA-1513B-US	Johann Alsmeyer	Ultrahigh Density Vertical NAND Memory Device and Method of Making Thereof	US	Pending	12827577	30-Jun-10		
SDA-1513C-US	Johann Alsmeyer	ULTRAHIGH DENSITY VERTICAL NAND MEMORY DEVICE AND METHOD OF MAKING THEREOF	US	Pending	12827869	30-Jun-10		
SDA-1514-US	Deepak Pancholi, Bhavin Odedara, Naidu Prasad	Controlled Load Regulation and Improved Response Time of LDO with Adaptive Current Distribution Mechanism	US	Pending	12693228	25-Jan-10		
SDA-1515-US	Tien-Chien Kuo, Man Mui	Bit Line Stability Detection	US	Pending	12697003	29-Jan-10		