

**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:	13035539
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-1003X-III-US
NAME OF SUBMITTER:	Simona Benjamin
Total Attachments: 5 source=page 5#page1.tif source=page 5#page2.tif source=page 5#page3.tif source=page 5#page4.tif source=page 5#page5.tif	

**CH \$40.00 13035539**

## 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

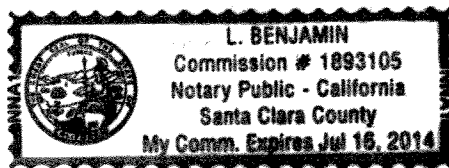
STATE OF California )  
COUNTY OF Santa Clara ) ss.

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
MSA-1337-a-US	Damian Yurzola, Rajeev Nagabhirava, Arjun Kapoor, Itai Dror, Annie Chang, Peter Hwang, Lian Chen	System and Method of Error Correction of Control Data at a Memory Device	US	Pending	12955174	29-Nov-10		
MSA-1337-US	Damian Yurzola, Rajeev Nagabhirava, Arjun Kapoor, Itai Dror	System and Method of Error Correction of Control Data at a Memory Device	US	Pending	12645700	23-Dec-09		
MXA-255-US	Matt Fruin, Christopher Moore, Samuel Yusheng Yu	Memory device operable in read-only and re-writable modes of operation	US	Published	12421229	9-Apr-09		
MXA-304-US	Matt Fruin, Christopher Moore, Samuel Yusheng Yu	Memory device operable in read-only and write-once, read-many (WORM) modes of operation	US	Published	12421238	9-Apr-09		
MXA-387-US	Samuel Yusheng Yu, Christopher Moore, Jason Whetstone, Ron Barzilai, Hironaga Ino	Authentication and Securing of Write-Once, Read-Many (WORM) Memory Devices	US	Pending	12572991	2-Oct-09		
SDA-1000Y-US	Tyler J. Thorp, Brent Haukness, Henry R Hutton	An Electronic Library for Managing Data on Removable Storage Devices	US	Published	11677388	21-Feb-07		
SDA-1002X-US	Teruhiko Kamei, Yan Li	Method for Programming with Initial Programming Voltage Based on Trial	US	Issued	11616647	27-Dec-06	7551482	23-Jun-09
SDA-1002Y-a-US	Teruhiko Kamei, Yan Li	Non-Volatile Storage System with Initial Programming Voltage Based on Trial	US	Issued	12493040	26-Jun-09	7768834	3-Aug-10
SDA-1002Y-US	Teruhiko Kamei, Yan Li	Non-Volatile Storage System with Initial Programming Voltage Based on Trial	US	Issued	11616665	27-Dec-06	7570520	4-Aug-09
SDA-1003X-III-US	Yan Li, Teruhiko Kamei, Jeffrey Lutze	Segmented Bitscan for Verification of Programming	US	Pending	13035539	25-Feb-11		
SDA-1003X-II-US	Yan Li, Teruhiko Kamei, Jeffrey Lutze	Segmented Bitscan for Verification of Programming	US	Allowed	12755610	7-Apr-10		
SDA-1003X-I-US	Yan Li, Teruhiko Kamei, Jeffrey Lutze	Segmented Bitscan for Verification of Programming	US	Issued	12431573	28-Apr-09	7724580	25-May-10
SDA-1003X-US	Yan Li, Teruhiko Kamei, Jeffrey Lutze	Segmented Bitscan for Verification of Programming	US	Issued	11563585	27-Nov-06	7545681	9-Jun-09
SDA-1003Y-US	Yan Li, Teruhiko Kamei, Jeffrey Lutze	Apparatus with Segmented Bitscan for Verification of Programming	US	Issued	11563590	27-Nov-06	7440319	21-Oct-08
SDA-1007-US	Steven T. Sprouse, Lily (Ka Ian) Yung, Suresh Upadhyayula, Patricio Collantes	Electrical Connector with Grounding Pin	US	Issued	11618084	29-Dec-06	7354314	8-Apr-08
SDA-1011X-US	Jeffrey Lutze, Yingda Dong	Reducing Program Disturb in Non-Volatile Memory Using Multiple Boosting Modes	US	Issued	11555850	2-Nov-06	7440323	21-Oct-08
SDA-1011Y-I-US	Jeffrey Lutze, Yingda Dong	Non-Volatile Memory Using Multiple Boosting Modes for Reduced Program Disturb	US	Issued	12211348	16-Sep-08	7796430	14-Sep-10
SDA-1011Y-US	Jeffrey Lutze, Yingda Dong	Non-Volatile Memory Using Multiple Boosting Modes for Reduced Program Disturb	US	Issued	11555856	2-Nov-06	7468911	23-Dec-08
SDA-1014-1X-US	Gerrit Jan Hemink, Yingda Dong, Jeffrey Lutze, Dana Lee	Programming Non-Volatile Memory with Reduced Program Disturb by Using Different Pre-Charge Enable Voltages	US	Issued	11618600	29-Dec-06	7450430	11-Nov-08
SDA-1014-1Y-US	Gerrit Jan Hemink, Yingda Dong, Jeffrey Lutze, Dana Lee	Systems for Programming Non-Volatile Memory with Reduced Program Disturb by Using Different Pre-Charge Enable Voltages	US	Issued	11618606	29-Dec-06	7463531	9-Dec-08
SDA-1014X-US	Yingda Dong, Jeffrey Lutze, Dana Lee, Gerrit Jan Hemink	Programming Non-Volatile Memory with Reduced Program Disturb by Removing Pre-Charge Dependency on Word Line Data	US	Issued	11618580	29-Dec-06	7433241	7-Oct-08