

**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:	7170788
CORRESPONDENCE DATA	
Fax Number:	(408)801-8512
<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:	SDK0654.001US
NAME OF SUBMITTER:	Simona Benjamin
Total Attachments: 5 source=Assignment 64#page1.tif source=Assignment 64#page2.tif source=Assignment 64#page3.tif source=Assignment 64#page4.tif source=Assignment 64#page5.tif	

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## 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

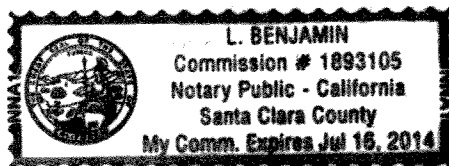
STATE OF California )  
COUNTY OF Santa Clara ) ss.

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
SDK0648.001US	Jun Wan, Jeffrey Lutze	SYSTEM FOR PROGRAMMING NON-VOLATILE MEMORY WITH SELF-ADJUSTING MAXIMUM PROGRAM LOOP	US	Issued	11194827	1-Aug-05	7023737	4-Apr-06
SDK0648.002US	Jun Wan, Jeffrey Lutze	SYSTEM FOR PROGRAMMING NON-VOLATILE MEMORY WITH SELF-ADJUSTING MAXIMUM PROGRAM LOOP	US	Issued	11394441	31-Mar-06	7206231	17-Apr-07
SDK0650.000US	Hem Takiar, Shrikar Bhagath, Chin-Tien Hope Chiu	METHOD OF MANUFACTURING FLASH MEMORY CARDS	US	Issued	11265337	2-Nov-05	7485501	3-Feb-09
SDK0651.000US	Hem Takiar, Robert C Miller, Warren Middlekauf, Michael Patterson, Shrikar Bhagath	SYSTEM-IN-A-PACKAGE BASED FLASH MEMORY CARD	US	Published	11133576	19-May-05		
SDK0651.001US	Hem Takiar, Robert C Miller, Warren Middlekauf, Michael Patterson, Shrikar Bhagath	SIP BASED FLASH MEMORY CARD	US	Issued	29230382	19-May-05	D548740	14-Aug-07
SDK0652.000US	Yan Li, Long Pham	METHOD FOR PROGRAMMING OF MULTI-STATE NON-VOLATILE MEMORY USING SMART VERIFY	US	Issued	11260658	27-Oct-05	7301817	27-Nov-07
SDK0652.001US	Yan Li, Long Pham	APPARATUS FOR PROGRAMMING OF MULTI-STATE NON-VOLATILE MEMORY USING SMART VERIFY	US	Issued	11259799	27-Oct-05	7366022	29-Apr-08
SDK0652.002US	Yan Li, Long Pham	METHOD FOR PROGRAMMING OF MULTI-STATE NON-VOLATILE MEMORY USING SMART VERIFY	US	Issued	11862157	26-Sep-07	7492634	17-Feb-09
SDK0653.000US	Jeffrey Lutze	STARTING PROGRAM VOLTAGE SHIFT WITH CYCLING OF NON-VOLATILE MEMORY	US	Issued	11144264	3-Jun-05	7339834	4-Mar-08
SDK0653.001US	Jeffrey Lutze	STARTING PROGRAM VOLTAGE SHIFT WITH CYCLING OF NON-VOLATILE MEMORY	US	Issued	12018275	23-Jan-08	7633812	15-Dec-09
SDK0653.002US	Jeffrey Lutze	STARTING PROGRAM VOLTAGE SHIFT WITH CYCLING OF NON-VOLATILE MEMORY	US	Issued	12018279	23-Jan-08	7630254	8-Dec-09
SDK0653.003US	Jeffrey Lutze	STARTING PROGRAM VOLTAGE SHIFT WITH CYCLING OF NON-VOLATILE MEMORY	US	Published	12572069	1-Oct-09		
SDK0654.000US	Jun Wan, Jeffrey Lutze	Last-First Mode and Method for Programming of Non-Volatile Memory with Reduced Program Disturb	US	Issued	11223623	9-Sep-05	7218552	15-May-07
SDK0654.001US	Jun Wan, Jeffrey Lutze	Last-First Mode and Apparatus for Programming of Non-Volatile Memory with Reduced Program Disturb	US	Issued	11223273	9-Sep-05	7170788	30-Jan-07
SDK0655.000US	Alan Bennett, Alan D Bryce, Sergey Anatolievich Gorobets	Methods For The Management Of Erase Operations In Non-Volatile Memories	US	Issued	11273774	14-Nov-05	7624239	24-Nov-09
SDK0655.001US	Alan Bennett, Alan D Bryce, Sergey Anatolievich Gorobets	Structures for the Management of Erase Operations in Non-Volatile Memories	US	Issued	11273773	14-Nov-05	7783845	24-Aug-10
SDK0656.001US	Alan Bennett, Sergey Anatolievich Gorobets, Andrew Tomlin, Charles Michael Schroter	Scheduling of Housekeeping Operations in Flash Memory Systems	US	Issued	11312985	19-Dec-05	7315917	1-Jan-08
SDK0656.002US	Alan Bennett, Sergey Anatolievich Gorobets, Andrew Tomlin, Charles Michael Schroter	Scheduling of Housekeeping Operations in Flash Memory Systems	US	Issued	11949618	3-Dec-07	7565478	21-Jul-09
SDK0656.003US	Alan Bennett, Sergey Anatolievich Gorobets, Andrew Tomlin, Charles Michael Schroter	Scheduling of Housekeeping Operations in Flash Memory Systems	US	Published	12493500	30-Jun-09		