

## 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:	7773414
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:	SDK0494.003US
NAME OF SUBMITTER:	Simona Benjamin
Total Attachments: 5 source=page 54#page1.tif source=page 54#page2.tif source=page 54#page3.tif source=page 54#page4.tif source=page 54#page5.tif	

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PATENT  
REEL: 026334 FRAME: 0149

## 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 and CFO

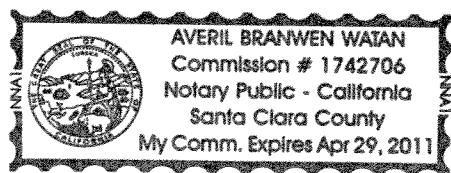
STATE OF California )  
COUNTY OF Santa Clara ) ss.

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 Branwen 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

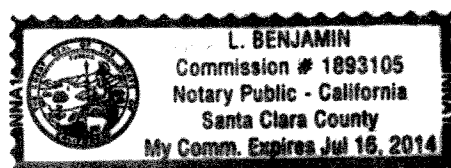
STATE OF California )  
COUNTY OF Santa Clara ) ss.

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
SDK0481.001US	Andrew Tomlin	Method For Copying Data in Reprogrammable Non-Volatile Memory	US	Pending	12941294	8-Nov-10		
SDK0484.000US	Robert Howard, Jeffrey A Salazar, Jonathan R Harris, Daren W Hebold	Retractable Card Adapter	US	Issued	10133791	26-Apr-02	7092256	15-Aug-06
SDK0484.001US	Jeffrey A Salazar, Robert Howard, Jonathan R Harris, Daren W Hebold	Retractable Card Adapter	US	Issued	11422313	5-Jun-06	7492601	17-Feb-09
SDK0484.002US	Jeffrey A Salazar, Robert Howard, Jonathan R Harris, Daren W Hebold	Retractable Card Adapter	US	Issued	12371859	16-Feb-09	7787243	31-Aug-10
SDK0485.000US	Robert C Chang, Bahman Qawami, Farshid Sabet-Sharghi	Maintaining an Average Erase Count in a Non-Volatile Storage System	US	Issued	10281823	28-Oct-02	7035967	25-Apr-06
SDK0485.001US	Robert C Chang, Bahman Qawami, Farshid Sabet-Sharghi	Maintaining an Average Erase Count in a Non-Volatile Storage System	US	Issued	11362666	25-Feb-06	7287118	23-Oct-07
SDK0486.000US	Robert C Chang, Bahman Qawami, Farshid Sabet-Sharghi	Tracking the Most Frequently Erased Blocks in Non-Volatile Memory Systems	US	Issued	10281670	28-Oct-02	6973531	6-Dec-05
SDK0487.000US	Robert C Chang, Farshid Sabet-Sharghi, Bahman Qawami	Tracking the Least Frequently Erased Blocks in Non-Volatile Memory Systems	US	Issued	10281824	28-Oct-02	7096313	22-Aug-06
SDK0488.000US	Robert C Chang, Farshid Sabet-Sharghi, Bahman Qawami	Method and Apparatus for Managing an Erase Block Count	US	Issued	10281626	28-Oct-02	7103732	5-Sep-06
SDK0489.000US	Robert Wallace, Robert C Miller	Electronic Memory Card	US	Issued	29124803	12-Jun-00	D452864	8-Jan-02
SDK0490.000US	Wesley G. Brewer, Robert Wallace, Robert C Miller	Electronic Memory Card Holder	US	Issued	29132354	6-Nov-00	D453515	12-Feb-02
SDK0491.000US	Sergey Anatolievich Gorobets, Alan Bennett	Cluster Auto-Alignment	US	Issued	11015211	16-Dec-04	7395404	1-Jul-08
SDK0492.000US	Alan Bennett, Sergey Anatolievich Gorobets	Scratch Pad Block	US	Issued	11016285	16-Dec-04	7315916	1-Jan-08
SDK0494.000US	Gerrit Jan Hemink	Self-Boosting System for Flash Memory Cells	US	Issued	10774014	6-Feb-04	7161833	9-Jan-07
SDK0494.001US	Gerrit Jan Hemink, Hironobu Nakao, Shih-Chung Lee	Self-Boosting Method for Flash Memory Cells	US	Issued	11321955	28-Dec-05	7466590	16-Dec-08
SDK0494.002US	Gerrit Jan Hemink	Self-Boosting System for Flash Memory Cells	US	Issued	11609688	12-Dec-06	7471566	30-Dec-08
SDK0494.003US	Gerrit Jan Hemink	Self-Boosting Method for Flash Memory Cells	US	Issued	12276186	21-Nov-08	7773414	10-Aug-10
SDK0496.000US	Jian Chen, Lee Merrill Gavens	OPERATING NON-VOLATILE MEMORY WITHOUT READ DISTURB LIMITATIONS	US	Issued	10805079	19-Mar-04	7177977	13-Feb-07
SDK0500.000US	Daniel Guterman	CONCURRENT PROGRAMMING OF NON-VOLATILE MEMORY	US	Issued	10868147	15-Jun-04	7307884	11-Dec-07
SDK0500.001US	Daniel Guterman	CONCURRENT PROGRAMMING OF NON-VOLATILE MEMORY	US	Issued	11936086	7-Nov-07	7796444	14-Sep-10
SDK0500.002US	Daniel Guterman	CONCURRENT PROGRAMMING OF NON-VOLATILE MEMORY	US	Issued	11936081	7-Nov-07	7821835	26-Oct-10
SDK0500.003US	Daniel Guterman	CONCURRENT PROGRAMMING OF NON-VOLATILE MEMORY	US	Issued	11936084	7-Nov-07	7570518	4-Aug-09
SDK0501.000US	Alan Welsh Sinclair	Adaptive Metablocks	US	Issued	10749189	30-Dec-03	7433993	7-Oct-08
SDK0503.000US	Kevin Conley, Robert C Chang, Wesley G. Brewer, Eric Bone, Yoram Cedar	Memory Card That Supports File System Interoperability	US	Published	10754483	9-Jan-04		
SDK0504.000US	Jian Chen	Method of Reading NAND Memory to Compensate for Coupling Between Storage Elements	US	Issued	10765693	26-Jan-04	7372730	13-May-08
SDK0506.001US	Yongliang Bill Wang, John H Pasternak	Voltage Regulator Using Protected Low Voltage Devices	US	Issued	10814518	31-Mar-04	7164561	16-Jan-07
SDK0507.000US	Kevin Conley, Reuven Elhamias	Flash Controller Cache Architecture	US	Issued	10796575	8-Mar-04	7173863	6-Feb-07