

**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:	11616242
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:	SDK0852.000US
NAME OF SUBMITTER:	Simona Benjamin
Total Attachments: 5 source=Assignment 78#page1.tif source=Assignment 78#page2.tif source=Assignment 78#page3.tif source=Assignment 78#page4.tif source=Assignment 78#page5.tif	

CH \$40.00 11616242

## 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 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

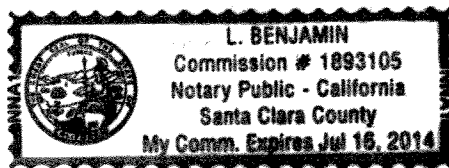
STATE OF California )  
COUNTY OF Santa Clara ) ss.

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
SDK0843.001US	Jason Lin	Non-Volatile Memory With Management Of A Pool Of Update Memory Blocks Based On Each Block's Activity And Data Order	US	Issued	11532467	15-Sep-06	7774392	10-Aug-10
SDK0844.000US	Shai Traister, Jason Lin	Methods for phased garbage collection	US	Issued	11499606	4-Aug-06	7444461	28-Oct-08
SDK0844.001US	Shai Traister, Jason Lin	Non-volatile memory storage systems for phased garbage collection	US	Issued	11499598	4-Aug-06	7451265	11-Nov-08
SDK0844.002US	Shai Traister, Jason Lin	Methods for phased garbage collection using phased garbage collection block or scratch pad block as a buffer	US	Issued	11541035	28-Sep-06	7444462	28-Oct-08
SDK0844.003US	Shai Traister, Jason Lin	Methods for phased garbage collection using phased garbage collection block or scratch pad block as a buffer	US	Issued	11541012	28-Sep-06	7441071	21-Oct-08
SDK0846.000US	Nima Mokhlesi	Alternating Read Mode	US	Issued	11618569	29-Dec-06	7495962	24-Feb-09
SDK0846.001US	Nima Mokhlesi	Apparatus for Alternating Read Mode	US	Issued	11618578	29-Dec-06	7440324	21-Oct-08
SDK0847.000US	Cheeman Yu, Chih Chin Liao, Hem Takiar	Stacked, Interconnected Semiconductor Packages	US	Issued	11427689	29-Jun-06	7550834	23-Jun-09
SDK0847.001US	Cheeman Yu, Chih Chin Liao, Hem Takiar	Method of Stacking and Interconnecting Semiconductor Packages Via Electrical Connectors Extending Between Adjoining Semiconductor Packages	US	Issued	11427695	29-Jun-06	7615409	10-Nov-09
SDK0847.002US	Cheeman Yu, Chih Chin Liao, Hem Takiar	Stacked, Interconnected Semiconductor Packages	US	Pending	12489298	22-Jun-09		
SDK0847.003US	Cheeman Yu, Chih Chin Liao, Hem Takiar	Method of Stacking and Interconnecting Semiconductor Packages Via Electrical Connectors Extending Between Adjoining Semiconductor Packages	US	Published	12614981	9-Nov-09		
SDK0847.004US	Cheeman Yu, Chih Chin Liao, Hem Takiar	Method of Stacking and Interconnecting Semiconductor Packages Via Electrical Connectors Extending Between Adjoining Semiconductor Packages	US	Published	12614998	9-Nov-09		
SDK0852.000US	Alan Welsh Sinclair, Barry Wright	Use of a Direct Data File System with a Continuous Logical Address Space Interface	US	Published	11616242	26-Dec-06		
SDK0852.001US	Alan Welsh Sinclair, Barry Wright	System Using a Direct Data File System with a Continuous Logical Address Space Interface	US	Issued	11616236	26-Dec-06	7739444	15-Jun-10
SDK0852.002US	Alan Welsh Sinclair, Barry Wright	Configuration of Host LBA Interface with Flash Memory	US	Published	11616231	26-Dec-06		
SDK0852.003US	Alan Welsh Sinclair, Barry Wright	Host System with Direct Data File Interface Configurability	US	Issued	11616228	26-Dec-06	7917686	29-Mar-11
SDK0852.004US	Alan Welsh Sinclair, Barry Wright	Managing a LBA Interface in a Direct Data File Memory System	US	Published	11616226	26-Dec-06		
SDK0852.005US	Alan Welsh Sinclair, Barry Wright	Host System that Manages a LBA Interface with Flash Memory	US	Published	11616218	26-Dec-06		
SDK0854.000US	Ron LaPedis, Arrigo Triulzi	Method for Code Execution	US	Issued	11618519	29-Dec-06	7890723	15-Feb-11
SDK0854.001US	Ron LaPedis, Arrigo Triulzi	System for Code Execution	US	Issued	11618526	29-Dec-06	7890724	15-Feb-11
SDK0857.001US	Alan Welsh Sinclair, Barry Wright	Methods of Managing Blocks in Non Volatile Memory	US	Issued	11459268	21-Jul-06	7558906	7-Jul-09
SDK0857.002US	Alan Welsh Sinclair, Barry Wright	Non Volatile Memory with Block Management	US	Issued	11459260	21-Jul-06	7552271	23-Jun-09
SDK0858.000US	Sergey Anatolevich Gorobets	Method for Phased Garbage Collection With State Indicators	US	Issued	11540778	29-Sep-06	7464216	9-Dec-08