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:	12882357

CORRESPONDENCE DATA

Fax Number: (408)801-9019

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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-1552-US
NAME OF SUBMITTER:	Simona Benjamin

Total Attachments: 5
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**PATENT
REEL: 026294 FRAME: 0585**

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

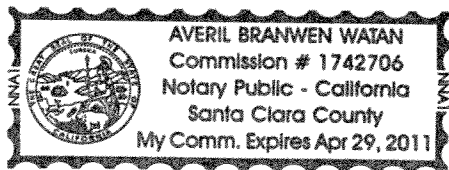Dated: _4ᵗʰ April 2011_

Name: _Judy Bruner_
Title: _EVP and CFO_

STATE OF _California_)
) ss.
COUNTY OF _Santa Clara_)

On this _4ᵗʰ_ 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: _____
Signature of Notary Public

We accept the Assignment

SANDISK TECHNOLOGIES INC.

Dated: _4/4/11_

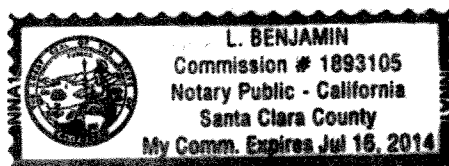Name: _James F. Brelsford_
Title: _President and Secretary_

STATE OF _California_)
) ss.
COUNTY OF _Santa Clara_)

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: _____
Signature of Notary Public

PATENT
REEL: 026294 FRAME: 0588

Exhibit A

FILE #	INVENTORS	TITLE	COUNTRY	STATUS	SER #	FILING DATE	PAT #	ISSUE DATE
SDA-1540-US	Deepak Pancholi, Bhavin Odedara, Naidu Prasad, Srikanth Bojja, Srinivasa Rao Sabbineni, Jayaprakash Naradasi	Self-Calibrating Relaxation Oscillator Based Clock Cycle	US	Pending	12754836	6-Apr-10		
SDA-1541-US	Dhaval Parikh, Tony Ahwal	Auxiliary Interface for Non-Volatile Memory System	US	Pending	12969167	15-Dec-10		
SDA-1542-US	Ken Oowada, Yingda Dong, Deepanshu Dutta	Extra dummy erase pulse(s) after shallow erase verify to avoid sensing deep erased voltage	US	Pending	12751265	31-Mar-10		
SDA-1544-US	Yingda Dong, Yupin Fong, Gerrit Jan Hemink	Saw-Shaped Multi-Pulse Program Noise Reduction in Memory	US	Pending	12757399	9-Apr-10		
SDA-1545-US	Yan Li	Fast Random Access to Non-Volatile Storage	US	Pending	12835315	13-Jul-10		
SDA-1546-US	Matthew Davidson, Ralph Heron, Lakhdar Iguelmamene, Rony (Pc) Tal, Asher Druck	Enhancement of Input/Output for non source-synchronous interfaces	US	Issued	12731504	25-Mar-10	7888966	15-Feb-11
SDA-1547-US	George Samachisa, Johann Alsmeier	ULTRAHIGH DENSITY VERTICAL NAND MEMORY DEVICE AND METHOD OF MAKING THEREOF	US	Pending	12827761	30-Jun-10		
SDA-1548-US	Jarrett Liang, Vinod Robert Purayath, Takashi Orimoto	Metal Control Gate Formation in Non-Volatile Storage	US	Pending	12845329	28-Jul-10		
SDA-1549-US	Jayavel Pachamuthu, Vinod Robert Purayath	Process for Fabricating Non-Volatile Storage	US	Pending	12762341	18-Apr-10		
SDA-1550-US	Yaron Sheba, Philip Lee Ly, Derek Niizawa	Media Player	US	Issued	29360076	20-Apr-10	D627758	23-Nov-10
SDA-1551-US	Yuval Weiss, Daniel Weinfeld	Efficient Electrical Hibernate Entry and Recovery	US	Pending	12727073	18-Mar-10		
SDA-1552-US	Jayaprakash Naradasi, Anand Venkitachalam	System and Method of Distributive ECC Processing	US	Pending	12882357	15-Sep-10		
SDA-1553-US	Yan Li, Dana Lee, Jonathan Huynh	Method and Apparatus to Detect Wordline at high Voltage with built in self-calibration	US	Pending	12833146	9-Jul-10		
SDA-1554-US	Grishma Shailesh Shah, Yan Li	Detection of Broken Word-Lines in Memory Arrays	US	Pending	12833167	9-Jul-10		
SDA-1555-US	Manuel Antonio D'Abreu, Steve Skala, Jayaprakash Naradasi, Anand Venkitachalam	System and Method of Interleaving Data According to an Adjustable Parameter	US	Pending	13031531	21-Feb-11		
SDA-1557-US	Takashi Orimoto, Atsushi Suyama, Ming Tian, Henry Chin, Henry Chien, Vinod Robert Purayath, Dana Lee	P-Type Control Gate in Non-Volatile Storage and Methods for Forming Same	US	Pending	12887328	21-Sep-10		
SDA-1558-US	George Samachisa, Johann Alsmeier, Andrei Mihnea	Junctionless TFT NAND Flash Memory	US	Pending	12848458	2-Aug-10		
SDA-1559-US	Yosuke Kato	Non-Volatile Memory and Method for Even/Odd Combined Row Decoding	US	Unfiled				
SDA-1560-US	Chih Chin Liao, Cheeman Yu	Corrugated Die Edge for Stacked Die Semiconductor Package	US	Pending	12825617	29-Jun-10		
SDA-1561-US	Deepanshu Dutta, Jeffrey Lutze	Programming Non-Volatile Memory with Bit Line Voltage Set Up	US	Pending	12838902	19-Jul-10		
SDA-1562-US	Sergey Anatolievich Gorobets, Robert Young	Techniques for Maintaining Logical to Physical Mapping Information in Non-Volatile Memory Systems	US	Pending	12821423	23-Jun-10		
SDA-1563-US	Eran Erez, Steven Cheng	Adaptive flash interface	US	Pending	12835292	13-Jul-10		

PATENT
REEL: 026294 FRAME: 0590