

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

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|--|-----------------------------------|
| 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:  | 11967861                          |
| 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-1281-US                       |
| NAME OF SUBMITTER:   | Simona Benjamin                   |
| Total Attachments: 5<br>source=page 19#page1.tif<br>source=page 19#page2.tif<br>source=page 19#page3.tif<br>source=page 19#page4.tif<br>source=page 19#page5.tif |                                   |

**CH \$40.00 11967861**

## 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

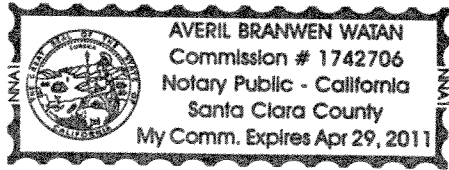
STATE OF California )  
COUNTY OF Santa Clara ) ss.

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

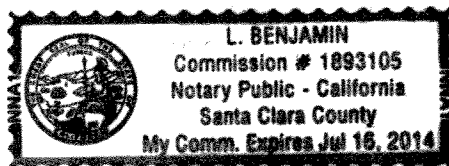
STATE OF California )  
COUNTY OF Santa Clara ) ss.

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 |
|----------------|--|---|---------|-----------|----------|-------------|---------|------------|
| SDA-1273-a-US  | Suresh Upadhyayula, Hem Takiar   | SEMICONDUCTOR PACKAGE INCLUDING FLIP CHIP CONTROLLER AT BOTTOM OF DIE STACK   | US      | Pending   | 12986927 | 7-Jan-11    |         |            |
| SDA-1273-US    | Suresh Upadhyayula, Hem Takiar   | SEMICONDUCTOR PACKAGE INCLUDING FLIP CHIP CONTROLLER AT BOTTOM OF DIE STACK   | US      | Issued    | 11965702 | 27-Dec-07   | 7867819 | 11-Jan-11  |
| SDA-1274-US    | Suresh Upadhyayula, Robert C Miller, Hem Takiar, Steven T. Sprouse, Lily (Ka Ian) Yung   | Low Profile Wire Bonded USB Device  | US      | Published | 11965691 | 27-Dec-07   |         |            |
| SDA-1276-US    | Andrew Tornlin, Dennis Ea, Daniel Tuers  | Memory Device and Method for Performing a Write-Abort-Safe Firmware Update  | US      | Published | 12005727 | 28-Dec-07   |         |            |
| SDA-1277-II-US | Fabrice Jogand-Coulomb, Robert C Chang   | Memory Device and Method for Content Virtualization   | US      | Published | 12777399 | 11-May-10   |         |            |
| SDA-1277-I-US  | Fabrice Jogand-Coulomb, Robert C Chang   | Memory Device and Method for Content Virtualization   | US      | Published | 12777385 | 11-May-10   |         |            |
| SDA-1277-US    | Fabrice Jogand-Coulomb, Robert C Chang   | Memory Device and Method for Content Virtualization   | US      | Published | 12005728 | 28-Dec-07   |         |            |
| SDA-1279-US    | Haluk Kent Tanik, Robert C Chang, Po Yuan, Bahman Qawami, Farshid Sabet-Sharabi  | Method and System for Transferring Data and Instructions through a Host File System                                 | US      | Published | 11967622 | 31-Dec-07   |         |            |
| SDA-1280-US    | Po Yuan, Javier Canis Robles, Mei Yan, Fabrice Jogand-Coulomb, Ahmet Altay, Bahman Qawami, Patricia Dwyer, Robert C Chang, Oktay Rasizade, Farshid Sabet-Sharabi | Method and System for Creating and Accessing a Secure Storage Area in a Non-Volatile Memory Card                    | US      | Pending   | 11967641 | 31-Dec-07   |         |            |
| SDA-1281-US    | Kevin Conley, Daniel Schreiber, Avi Shmuel, Noam Kedem   | Powerfully Simple Digital Media Player and Methods for Use Therewith  | US      | Published | 11967861 | 31-Dec-07   |         |            |
| SDA-1282-US    | Jason Lin, Steven Cheng, Shai Traister   | System, Method and Memory Device Providing Data Scrambling Compatible With On-Chip Copy Operation                   | US      | Published | 12345921 | 30-Dec-08   |         |            |
| SDA-1283-US    | Paul Paternoster, Vaibhavi Sabharanjak, Po-Shen Lai  | Integrated Circuit and Manufacturing Process Facilitating Selective Configuration for Electromagnetic Compatibility | US      | Published | 11967880 | 31-Dec-07   |         |            |
| SDA-1284-US    | Po-Shen Lai, Vaibhavi Sabharanjak, Ralph Heron, Lakhdar Iguelmamene  | Extending Drive Capability in Integrated Circuits Utilizing Programmable-Voltage Output Circuits                    | US      | Issued    | 11967885 | 31-Dec-07   | 7812639 | 12-Oct-10  |
| SDA-1285-US    | Ekram Hossain Bhuiyan  | Current Mirror Device and Method  | US      | Pending   | 11954924 | 12-Dec-07   |         |            |
| SDA-1286-US    | Steven T. Sprouse, Lily (Ka Ian) Yung  | Duplicate SD Interface Memory Card Controller   | US      | Issued    | 11963519 | 21-Dec-07   | 7921255 | 5-Apr-11   |
| SDA-1289-US    | Baojing Liu, Matthew Davidson, Vladamir Kovalev  | TEST MODE SOFT RESET CIRCUITRY AND METHODS  | US      | Allowed   | 12019534 | 24-Jan-08   |         |            |
| SDA-1290X-US   | Steve Chi, Yongliang Bill Wang, Ekram Hossain Bhuiyan, Daniel Nguyen, Vincent Conditto, Po-Shen Lai  | Self-Configurable Multi-Regulator ASIC Core Power Delivery  | US      | Issued    | 12005056 | 21-Dec-07   | 7859134 | 28-Dec-10  |
| SDA-1291Y-US   | Daniel Nguyen, Steve Chi, Po-Shen Lai  | Multi-Regulator Power Delivery System for ASIC Cores  | US      | Issued    | 12005144 | 21-Dec-07   | 7875996 | 25-Jan-11  |
| SDA-1292X-US   | Hem Takiar, Shrikar Bhagath, Cheeman Yu, Chih Chin Liao  | METHOD OF FABRICATING STACKED SEMICONDUCTOR PACKAGE WITH LOCALIZED CAVITIES FOR WIRE BONDING                        | US      | Published | 12165297 | 30-Jun-08   |         |            |
| SDA-1292Y-US   | Hem Takiar, Shrikar Bhagath, Cheeman Yu, Chih Chin Liao  | STACKED SEMICONDUCTOR PACKAGE WITH LOCALIZED CAVITIES FOR WIRE BONDING  | US      | Published | 12165320 | 30-Jun-08   |         |            |