

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Manabu Sakai</td> <td>08/11/2012</td> </tr> <tr> <td>Toru Miwa</td> <td>08/20/2012</td> </tr> <tr> <td>Tien-chien Kuo</td> <td>08/29/2012</td> </tr> </tbody> </table>		Name	Execution Date	Manabu Sakai	08/11/2012	Toru Miwa	08/20/2012	Tien-chien Kuo	08/29/2012
Name	Execution Date								
Manabu Sakai	08/11/2012								
Toru Miwa	08/20/2012								
Tien-chien Kuo	08/29/2012								
RECEIVING PARTY DATA									
Name:	SanDisk Technologies Inc.								
Street Address:	Two Legacy Town Center								
Internal Address:	6900 North Dallas Parkway								
City:	Plano								
State/Country:	TEXAS								
Postal Code:	75024								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13605583</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13605583				
Property Type	Number								
Application Number:	13605583								
CORRESPONDENCE DATA									
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NAME OF SUBMITTER:	Rebekah Kerrigan								

CH \$40.00 13605583

Total Attachments: 4

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JOINT TO CORPORATE ASSIGNMENT

WHEREAS, the undersigned Inventors:

(1) Manabu Sakai,
a resident of Yokohama, Kanagawa, Japan,

(2) Toru Miwa,
a resident of Yokohama, Kanagawa, Japan, and

(3) Tien-chien Kuo,
a resident of Sunnyvale, California, USA,

have invented certain new and useful improvements in:

WRITE DATA PRESERVATION FOR NON-VOLATILE STORAGE

and have executed a declaration for an application for a United States Patent disclosing and identifying the invention, the declaration being executed on August 11, August 20 & August 29, 2012

WHEREAS SanDisk Technologies Inc. (hereinafter termed "Assignee"), a corporation of the State of Texas, having a place of business at Two Legacy Town Center, 6900 North Dallas Parkway, Plano, State of Texas, wishes to acquire the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, certificates of invention and other forms of protection thereon (hereinafter termed "patents") applied for or granted in the United States and/or other countries.

NOW THEREFORE, for good and valuable consideration acknowledged by each of said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey to said Assignee, the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply in any or all countries of the world for patents, certificates of inventions or other governmental grants on said invention, including the right to apply for patents pursuant to the International Convention for the Protection of Industrial Property or pursuant to any other convention, treaty, agreement or understanding; (c) in and to any and all applications filed and any and all patents, certificates of inventions or other governmental grants granted on said invention in the United States or any other country, including each and every application filed and each and every patent granted on any application which is a division, substitution, or continuation of any of said applications; (d) in and to each and every reissue or extension of any


of said patents; and (e) in and to each and every patent claim resulting from a reexamination certificate for any and all of said patents.

2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and other countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, executing of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for complying with any duty of disclosure; (c) for prosecuting any of said applications; (d) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (e) for filing and prosecuting applications for reissue of any of said patents; (f) for interference or other priority proceedings involving said invention; and (g) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, reexamination proceedings, compulsory licensing proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this Assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.

4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

Date: Aug 11 2012

(1) 
Manabu Sakai

Date: Aug 20 / 2012

(2) Toru Miwa
Toru Miwa

Date: 8/29/2012

(3) 
Tien-chien Kuo