

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>Jack Edward Frayer</td> <td>02/14/2012</td> </tr> <tr> <td>Aaron Keith Olbrich</td> <td>02/16/2012</td> </tr> <tr> <td>Paul Roger Stonelake</td> <td>02/16/2012</td> </tr> <tr> <td>Anand Krishnamurthi Kulkarni</td> <td>02/14/2012</td> </tr> <tr> <td>Yale Yueh Ma</td> <td>03/05/2012</td> </tr> </tbody> </table>		Name	Execution Date	Jack Edward Frayer	02/14/2012	Aaron Keith Olbrich	02/16/2012	Paul Roger Stonelake	02/16/2012	Anand Krishnamurthi Kulkarni	02/14/2012	Yale Yueh Ma	03/05/2012
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<table border="1"> <tr> <td>Name:</td> <td>SanDisk Technologies Inc.</td> </tr> <tr> <td>Street Address:</td> <td>Two Legacy Town Center</td> </tr> <tr> <td>Internal Address:</td> <td>6900 North Dallas Parkway</td> </tr> <tr> <td>City:</td> <td>Plano</td> </tr> <tr> <td>State/Country:</td> <td>TEXAS</td> </tr> <tr> <td>Postal Code:</td> <td>75024</td> </tr> </table>		Name:	SanDisk Technologies Inc.	Street Address:	Two Legacy Town Center	Internal Address:	6900 North Dallas Parkway	City:	Plano	State/Country:	TEXAS	Postal Code:	75024
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CORRESPONDENCE DATA													
Fax Number: (312)321-4299 Phone: 312-321-4200 Email: usassignments@brinkshofer.com, chenry@brinkshofer.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i> Correspondent Name: Amir N. Penn Address Line 1: Brinks Hofer Gilson & Lione Address Line 2: P.O. Box 10395 Address Line 4: Chicago, ILLINOIS 60610													
ATTORNEY DOCKET NUMBER:	10519-1963												

CH \$40.00 13285873

NAME OF SUBMITTER:

Amir N. Penn

Total Attachments: 4

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ASSIGNMENT

WHEREAS, Jack Edward Frayer, Aaron Keith Olbrich, Paul Roger Stonelake, Anand Krishnamurthi Kulkarni, and Yale Yueh Ma, hereinafter called the "Assignors", have made the invention described in the United States patent applications entitled **"INTELLIGENT BIT RECOVERY FOR FLASH MEMORY"**, for a full description of which reference is here made to an application for Letters Patent of the United States filed on June 19, 2011, and assigned Application Serial No. 61/498,585; and filed on October 31, 2011, and assigned Application Serial No. 13/285,873;

WHEREAS, SanDisk Technologies Inc., a corporation organized and existing under the laws of the State of Texas, having a place of business at Two Legacy Town Center, 6900 North Dallas Parkway, Plano, Texas 75024, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent applications identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent applications identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; together with the right to recover all damages, including, but not limited to, a reasonable royalty, by reason of past, present, or future infringement or any other violation of patent or patent application rights; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent

applications identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATED:

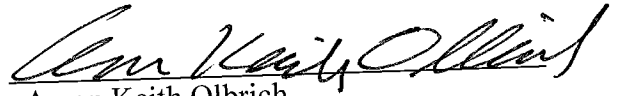
2-14-2012



Jack Edward Frayer

DATED:

2-16-2012



Aaron Keith Olbrich

DATED:

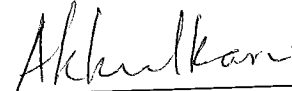
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Paul Roger Stonelake

DATED:

2-14-2012



Anand Krishnamurthi Kulkarni

DATED:

Yale Yueh Ma

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DATED: _____
Aaron Keith Olbrich

DATED: _____
Paul Roger Stonelake

DATED: _____
Anand Krishnamurthi Kulkarni

DATED: 3/5/2012
Yale Yueh Ma