

## PATENT ASSIGNMENT COVER SHEET

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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>JIANGLI ZHU</td> <td>09/16/2013</td> </tr> <tr> <td>YING YU TAI</td> <td>09/16/2013</td> </tr> <tr> <td>XIAOHENG CHEN</td> <td>09/16/2013</td> </tr> </tbody> </table>		Name	Execution Date	JIANGLI ZHU	09/16/2013	YING YU TAI	09/16/2013	XIAOHENG CHEN	09/16/2013		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>SanDisk Enterprise IP LLC</td> </tr> <tr> <td>Street Address:</td> <td>951 SanDisk Drive</td> </tr> <tr> <td>City:</td> <td>Milpitas</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>95035</td> </tr> </table>		Name:	SanDisk Enterprise IP LLC	Street Address:	951 SanDisk Drive	City:	Milpitas	State/Country:	CALIFORNIA	Postal Code:	95035
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CORRESPONDENCE DATA											
<p>Fax Number: (650)843-4001          Phone: 650-843-4000          Email: bgemello@morganlewis.com  <i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i></p> <p>Correspondent Name: GARY S. WILLIAMS          Address Line 1: MORGAN, LEWIS &amp; BOCKIUS          Address Line 2: 3000 EL CAMINO REAL, BLDG. 2, SUITE 700          Address Line 4: PALO ALTO, CALIFORNIA 94306</p>											
ATTORNEY DOCKET NUMBER:	58752-01-5099-US										
NAME OF SUBMITTER:	GARY S. WILLIAMS										
Signature:	/Gary S. Williams/										
Date:	10/14/2013										
Total Attachments: 1 source=58752-01-5099 Assignment#page1.tif											

CH \$40.00 14029697

ASSIGNMENT

WHEREAS, WE, **JIANGLI ZHU**, citizen of China, residing in Sunnyvale, California; **YING YU TAI**, citizen of the United States of America, residing in Mountain View, California; and **XIAOHENG CHEN**, citizen of China, residing in San Jose, California, ASSIGNORS, are the inventors of the invention in **UNIVERSAL AND RECONFIGURABLE QC-LDPC ENCODER**, described in an application for a Patent of the United States

- which is executed on  even date herewith
- which is identified by Morgan, Lewis & Bockius LLP docket no. 058752-01-5099-US
- which was filed on \_\_\_\_\_, Application No. \_\_\_\_\_
- which claims priority on U.S. Provisional Patent Application No(s). 61/801,394
- We hereby authorize and request our attorney, Gary S. Williams, of Morgan, Lewis & Bockius LLP, to insert here in parenthesis (Application number 141029.697, filed 9/17/2013) the filing date and application number of said application when known.

and WHEREAS, **SANDISK ENTERPRISE IP LLC**, ASSIGNEE, having a place of business at c/o SanDisk Corporation, 951 SanDisk Drive, Milpitas, California 95035, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, let it be known that for and in consideration of the sum of One Dollar (\$1.00) to me paid, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and any substitute applications therefore, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; the said United States provisional patent application(s), if any, on which the said United States application claims priority; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application and said United States provisional patent application(s), if any, under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

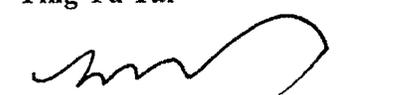
Date 09/16/2013

  
\_\_\_\_\_  
Jiangli Zhu L.S.

Date 09/16/2013

  
\_\_\_\_\_  
Ying Yu Tai L.S.

Date 9/16/2013

  
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Xiaoheng Chen L.S.