

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>SEJE TAKAKI</td> <td>01/07/2014</td> </tr> <tr> <td>MICHIAKI SANO</td> <td>01/07/2014</td> </tr> <tr> <td>ZHEN CHEN</td> <td>01/08/2014</td> </tr> </tbody> </table>		Name	Execution Date	SEJE TAKAKI	01/07/2014	MICHIAKI SANO	01/07/2014	ZHEN CHEN	01/08/2014
Name	Execution Date								
SEJE TAKAKI	01/07/2014								
MICHIAKI SANO	01/07/2014								
ZHEN CHEN	01/08/2014								
RECEIVING PARTY DATA									
Name:	SANDISK 3D LLC								
Street Address:	601 MCCARTHY BOULEVARD								
City:	MILPITAS								
State/Country:	CALIFORNIA								
Postal Code:	95035								
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>14150162</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14150162				
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Application Number:	14150162								
CORRESPONDENCE DATA									
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ATTORNEY DOCKET NUMBER:	3590-436								
NAME OF SUBMITTER:	LINDA KENAH								
Signature:	/Linda Kenah/								

Date:

01/29/2014

Total Attachments: 2

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ASSIGNMENT AND AGREEMENT

WHEREAS, Seje Takaki, Michiaki Sano and Zhen Chen (hereinafter referred to singly and collectively as "ASSIGNOR") have invented a certain invention entitled TRENCH MULTILEVEL CONTACT TO A 3D MEMORY ARRAY AND METHOD OF MAKING THEREOF for which an application for United States Letters Patent was filed on January 8, 2014 as Application No. 14/150,162.

WHEREAS, SanDisk 3D LLC, having its principal place of business at 601 McCarthy Boulevard, Milpitas, CA 95035 (hereinafter referred to as "ASSIGNEE") is desirous of acquiring the entire interest therein;

NOW THEREFORE, in view of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto ASSIGNEE, its successors and assigns, the full and exclusive right, title, and interest in and to (a) the above-identified invention or inventions and all improvements and modifications thereof, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for the above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

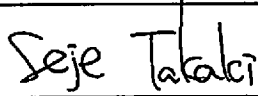


ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representatives or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of **The Marbury Law Group PLLC** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of **The Marbury Law Group PLLC** do not personally represent ASSIGNOR or ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

NAMES AND SIGNATURES OF INVENTOR		
Name: Seje Takaki	Signature: 	Date: 1.7.2014
Name: Michiaki Sano	Signature: 	Date: 1.7.2014
Name: Zhen Chen	Signature: 	Date: 1.8.2014