

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2784789

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT		
CONVEYING PARTY DATA			
	Name	Execution Date	
	JAYAVEL PACHAMUTHU	03/25/2014	
	JOHANN ALSMEIER	03/25/2014	
	RAGHUVeer S. MAKALA	03/25/2014	
	YAO-SHENG LEE	03/25/2014	
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			
	Property Type	Number	
	Application Number:	14225116	
CORRESPONDENCE DATA			
Fax Number:	(703)391-2901		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>			
Phone:	703-391-2900		
Email:	ptonotices@marburylaw.com		
Correspondent Name:	THE MARBURY LAW GROUP, PLLC		
Address Line 1:	11800 SUNRISE VALLEY DRIVE		
Address Line 2:	15TH FLOOR		
Address Line 4:	RESTON, VIRGINIA 20191		
ATTORNEY DOCKET NUMBER:	3590-451A		
NAME OF SUBMITTER:	PATRICK MCCONVILLE		
SIGNATURE:	/pmcconville/		
DATE SIGNED:	03/25/2014		
Total Attachments: 2			
source=3590_451A_Assignment_filed#page1.tif			

ASSIGNMENT AND AGREEMENT

WHEREAS, Jayavel Pachamuthu, Johann Alsmeier, Raghuveer S. Makala, and Yao-Sheng Lee (hereinafter referred to singly and collectively as "ASSIGNOR") have invented a certain invention entitled *High Aspect Ratio Memory Hole Channel Contact Formation* for which a U.S. provisional application was filed on September 17, 2013, as Application No. 61/879,071, and for which a U.S. non-provisional application was filed on March 25, 2014, as Application No. 14/225,116.

WHEREAS, SanDisk Technologies, Inc., having its principal place of business at Two Legacy Town Center, 6900 North Dallas Parkway, Plano, TX 75024 (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.

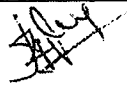
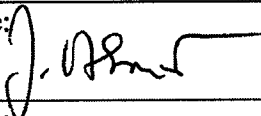
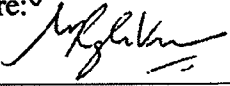
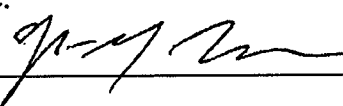
ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representatives or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, 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: Jayavel Pachamuthu	Signature: 	Date: 3/25/2014
Name: Johann Alsmeier	Signature: 	Date: 3/25/2014
Name: Raghuveer S. Makala	Signature: 	Date: 03/25/14
Name: Yao-Sheng Lee	Signature: 	Date: 3/25/2014