

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
FATMA A. SIMSEK-EGE	09/20/2013
KRISHNA K. PARAT	10/01/2013
RECEIVING PARTY DATA	
Name:	INTEL CORPORATION
Street Address:	2200 MISSION COLLEGE BOULEVARD
City:	SANTA CLARA
State/Country:	CALIFORNIA
Postal Code:	95054
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13852988
CORRESPONDENCE DATA	
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
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Correspondent Name:	COOL PATENT, P.C.
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Address Line 2:	PO BOX 52050
Address Line 4:	MINNEAPOLIS, MINNESOTA 55402
ATTORNEY DOCKET NUMBER:	P51166
NAME OF SUBMITTER:	MAYURI SAXENA
SIGNATURE:	/Mayuri Saxena/
DATE SIGNED:	03/10/2014
Total Attachments: 4	
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ASSIGNMENT

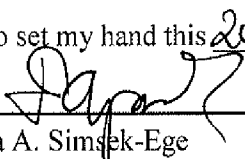
WHEREAS, We, Fatma A. Simsek-Ege, residing at 11750 West Fenchurch Street, Boise, ID, US 83709, and Krishna K. Parat, residing at 4177 Hubbartt Drive, Palo Alto, CA, US 94306, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on March 28, 2013, which application was assigned U.S. patent application serial number 13/852,988, and is entitled TUNGSTEN SALICIDE GATE SOURCE FOR VERTICAL NAND STRING TO CONTROL ON CURRENT AND CELL PILLAR FABRICATION;

AND WHEREAS, Intel Corporation, a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 2200 Mission College Blvd., Santa Clara, CA 95054 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to me relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 20th day of September, 2013.



Fatma A. Simsek-Ege

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2013.

Krishna K. Parat

ASSIGNMENT

WHEREAS, We, Fatma A. Simsek-Ege, residing at 11750 West Fenchurch Street, Boise, ID, US 83709, and Krishna K. Parat, residing at 4177 Hubbart Drive, Palo Alto, CA, US 94306, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on March 28, 2013, which application was assigned U.S. patent application serial number 13/852,988, and is entitled TUNGSTEN SALICIDE GATE SOURCE FOR VERTICAL NAND STRING TO CONTROL ON CURRENT AND CELL PILLAR FABRICATION;

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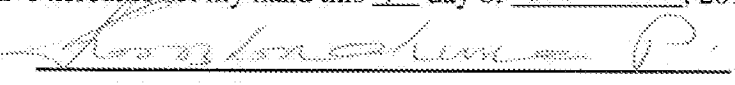
NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

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IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2013.

Fatma A. Simsek-Ege

IN TESTIMONY WHEREOF, I have hereunto set my hand this 1 day of October, 2013.



Krishna K. Parat