

## 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>Ravi H. Motwani</td> <td>12/03/2012</td> </tr> <tr> <td>Pranav Kalavade</td> <td>12/04/2012</td> </tr> </tbody> </table>		Name	Execution Date	Ravi H. Motwani	12/03/2012	Pranav Kalavade	12/04/2012
Name	Execution Date						
Ravi H. Motwani	12/03/2012						
Pranav Kalavade	12/04/2012						
RECEIVING PARTY DATA							
Name:	Intel Corporation						
Street Address:	2200 Mission College Blvd.						
City:	Santa Clara						
State/Country:	CALIFORNIA						
Postal Code:	95054						
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>13658449</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13658449		
Property Type	Number						
Application Number:	13658449						
CORRESPONDENCE DATA							
Fax Number:	6123328352						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
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ATTORNEY DOCKET NUMBER:	P48985						
NAME OF SUBMITTER:	Jed W. Caven						
Signature:	/Jed W. Caven, Reg. No. 40551/						
Date:	05/10/2013						
Total Attachments: 2 source=P48985_Executed Assignment#page1.tif source=P48985_Executed Assignment#page2.tif							

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## ASSIGNMENT

WHEREAS, We, Ravi H. Motwani, residing at 12847 Alta Carmel Ct Unit 195, San Diego, CA 92128 US, and Pranav Kalavade, residing at 6385 Slide Drive, San Jose, CA 95129 US, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on October 23, 2012, which application was assigned U.S. patent application serial number 13/658,449, and is entitled NAND MEMORY MANAGEMENT:

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, continuations-in-part, 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.

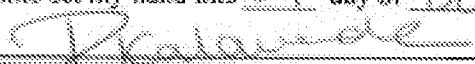
AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us 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.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 03 day of Dec, 2012.

  
\_\_\_\_\_  
Ravi H. Motwani

IN TESTIMONY WHEREOF, I have hereunto set my hand this 04 day of Dec, 2012.

  
\_\_\_\_\_  
Pranav Kalavade