

## 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>Dmitri E. Nikonov</td> <td>01/30/2013</td> </tr> <tr> <td>Robert L. Sankman</td> <td>07/08/2013</td> </tr> <tr> <td>Raseong Kim</td> <td>01/30/2013</td> </tr> <tr> <td>Jin Pan</td> <td>02/04/2013</td> </tr> </tbody> </table>		Name	Execution Date	Dmitri E. Nikonov	01/30/2013	Robert L. Sankman	07/08/2013	Raseong Kim	01/30/2013	Jin Pan	02/04/2013
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Intel Corporation</td> </tr> <tr> <td>Street Address:</td> <td>2200 Mission College Blvd.</td> </tr> <tr> <td>City:</td> <td>Santa Clara</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>95054</td> </tr> </table>		Name:	Intel Corporation	Street Address:	2200 Mission College Blvd.	City:	Santa Clara	State/Country:	CALIFORNIA	Postal Code:	95054
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CORRESPONDENCE DATA											
Fax Number: 6126773572 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Email: inteldocs@cpaglobal.com Correspondent Name: Edmund Pfleger Address Line 1: 2200 Mission College Blvd. Address Line 4: Santa Clara, CALIFORNIA 95054											
ATTORNEY DOCKET NUMBER:	P48754										
NAME OF SUBMITTER:	Edmund Pfleger										
Signature:	/Edmund Pfleger/										
Date:	07/11/2013										

PATENT

Total Attachments: 6

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## ASSIGNMENT

WHEREAS, We, Dmitri E. Nikonov, residing at 16569 SW Whietail Ln., Beaverton, OR 97007 US, and Robert L. Sankman, residing at 13202 S 34th Way, Phoenix, AZ 85044 US, and Raseong Kim, residing at 6861 NE Vinings Way APT 1523, Hillsboro, OR 97124 US, and Jin Pan, residing at 2200 Mission College Blvd. Santa Clara, CA, 95052 US, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on November 30, 2012, which application was assigned U.S. patent application serial number 13/690,407, and is entitled INTEGRATED CIRCUITS AND SYSTEMS AND METHODS FOR PRODUCING THE SAME;

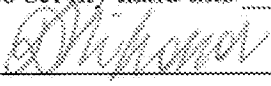
AND WHEREAS, Intel Corporation, a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 2200 Mission College Blvd., Santa Clara, CA 95054 (hereinafter 'Assignee'), is desirous of acquiring the entire right, title and 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 30 day of January, 2013.

  
\_\_\_\_\_  
Dmitri E. Nikonov

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2013.

\_\_\_\_\_  
Robert L. Sankman

IN TESTIMONY WHEREOF, I have hereunto set my hand this 30 day of January, 2013.

  
\_\_\_\_\_  
Raseong Kim

IN TESTIMONY WHEREOF, I have hereunto set my hand this 4 day of Feb, 2013.

\_\_\_\_\_  
Jin Pan

## ASSIGNMENT

WHEREAS, We, Dmitri E. Nikonov, residing at 16569 SW Whietail Ln., Beaverton, OR 97007 US, and Robert L. Sankman, residing at 13202 S 34th Way, Phoenix, AZ 85044 US, and Raseong Kim, residing at 6861 NE Vinings Way APT 1523, Hillsboro, OR 97124 US, and Jin Pan, residing at 2200 Mission College Blvd. Santa Clara, CA, 95052 US, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on November 30, 2012, which application was assigned U.S. patent application serial number 13/690,407, and is entitled INTEGRATED CIRCUITS AND SYSTEMS AND METHODS FOR PRODUCING THE SAME;

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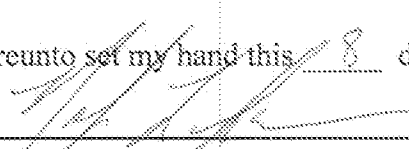
AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said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

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IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2013.

\_\_\_\_\_  
Dmitri E. Nikonov

IN TESTIMONY WHEREOF, I have hereunto set my hand this 8 day of July, 2013.

  
\_\_\_\_\_  
Robert L. Sankman

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2013.

\_\_\_\_\_  
Raseong Kim

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2013.

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Jin Pan