

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Krishna K. Parat</td> <td>02/01/2013</td> </tr> <tr> <td>Pranav Kalavade</td> <td>02/10/2013</td> </tr> <tr> <td>Koichi Kawai</td> <td>04/10/2013</td> </tr> <tr> <td>Akira Goda</td> <td>02/19/2013</td> </tr> </tbody> </table>		Name	Execution Date	Krishna K. Parat	02/01/2013	Pranav Kalavade	02/10/2013	Koichi Kawai	04/10/2013	Akira Goda	02/19/2013
Name	Execution Date										
Krishna K. Parat	02/01/2013										
Pranav Kalavade	02/10/2013										
Koichi Kawai	04/10/2013										
Akira Goda	02/19/2013										
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
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>13719558</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13719558						
Property Type	Number										
Application Number:	13719558										
CORRESPONDENCE DATA											
Fax Number: 6123328352 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Email: jmundt@cpaglobal.com Correspondent Name: Cool Patent, P.C. Address Line 1: c/o CPA Global Address Line 2: PO Box 52050 Address Line 4: Minneapolis, MINNESOTA 55402											
ATTORNEY DOCKET NUMBER:	P47525										
NAME OF SUBMITTER:	Kenneth J. Cool										
Signature:	/Kenneth J. Cool - Reg. No. 40,570/										

Date:

04/16/2013

Total Attachments: 5

source=P47525_ASSIGN_EXECUTED#page1.tif

source=P47525_ASSIGN_EXECUTED#page2.tif

source=P47525_ASSIGN_EXECUTED#page3.tif

source=P47525_ASSIGN_EXECUTED#page4.tif

source=P47525_ASSIGN_EXECUTED#page5.tif

ASSIGNMENT

2-11-27-610, Shin-yamashita,
Naka-ku, Yokohama,
Kanagawa 231-0801, Japan

K


WHEREAS, We, Krishna K. Parat, residing at 4177 Hubbart Drive, Palo Alto, CA 94306, US and Pranav Kalavade, residing at 6385 Slida Drive, San Jose, CA 95129, US and Koichi Kawai residing at 6719 E Pinnacle Pointe, Orange, CA 92869, US and Akira Goda, residing at 1818 E. Monterey Dr, Boise, ID 83706, US made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on December 19, 2012, which application was assigned U.S. patent application serial number 13/719,558, and is entitled ERASE AND SOFT PROGRAM FOR VERTICAL NAND FLASH;

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 95052 (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 1st day of FEB, 2013.


Krishna K. Parat

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

Pranav Kalavade

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

Koichi Kawai

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

Akira Goda

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 ____ day of _____, 2013.

Krishna K. Parat

IN TESTIMONY WHEREOF, I have hereunto set my hand this 10th day of Feb., 2013.



Pranav Kalavade

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

Koichi Kawai

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

Akira Goda

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 ____ day of _____, 2013.

Krishna K. Parat

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

Pranav Kalavade

IN TESTIMONY WHEREOF, I have hereunto set my hand this 10th day of April, 2013.


Koichi Kawai

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

Akira Goda

Docket No: P47525
Page 2 of 2

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 ____ day of _____, 2013.

Krishna K. Parat

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

Pranav Kalavade

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

Koichi Kawai

IN TESTIMONY WHEREOF, I have hereunto set my hand this 19 day of February, 2013.

Akira Goda
Akira Goda