

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Sanh Tang	12/16/2010
John Zahurak	12/16/2010
Krishna K. Parat	12/16/2010
Shane Trapp	12/16/2010
RECEIVING PARTY DATA	
Name:	Intel Corporation
Street Address:	2200 Mission College Blvd.
City:	Santa Clara
State/Country:	CALIFORNIA
Postal Code:	95052
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12969975
CORRESPONDENCE DATA	
Fax Number:	(612)332-8352
<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:	P35038
NAME OF SUBMITTER:	Kenneth J. Cool

CH \$40.00 12969975

Total Attachments: 5
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ASSIGNMENT

WHEREAS, We, Sanh D. Tang, residing at 1273 N. Jullion Ave., Boise, ID, US 83704, and John Zahurak, residing at 2633 W Sugarberry Drive, Eagle, ID, US 83616, and Shane Trapp, residing at 1107 W. O'Farrell St., Boise, ID, US 83702, 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 entitled CONTACT INTEGRATION FOR THREE-DIMENSIONAL STACKING SEMICONDUCTOR DEVICES;

WHEREAS, We hereby authorize and request our attorneys, associated with Customer Number 67861, to insert here in parentheses (SER. No. 12/969,975; Filing Date: December 16, 2010) the filing date and application number of said application when known;

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

ASSIGNMENT

WHEREAS, We, Sanh D. Tang, residing at 11587 W. VERDE Dr. BOISE, ID 83709 ²¹ ~~1273 N. Jullion Ave. Boise, ID, US 83704~~, and John Zahurak, residing at 2633 W Sugarberry Drive, Eagle, ID, US 83616, and Shane Trapp, residing at 1107 W. O'Farrell St., Boise, ID, US 83702, 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 entitled CONTACT INTEGRATION FOR THREE-DIMENSIONAL STACKING SEMICONDUCTOR DEVICES;

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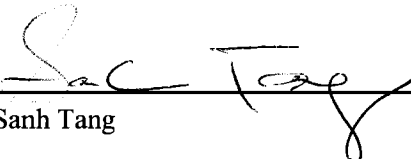
NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the 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.

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.

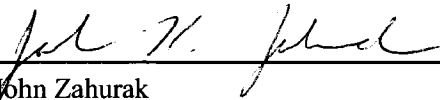
AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed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

IN TESTIMONY WHEREOF, I have hereunto set my hand this 16 day of Dec, 2010.



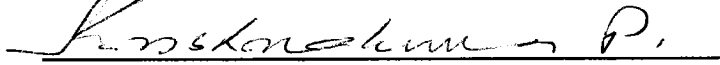
Sanh Tang

IN TESTIMONY WHEREOF, I have hereunto set my hand this 6 day of Dec, 2010.



John Zahurak

IN TESTIMONY WHEREOF, I have hereunto set my hand this 16th day of December, 2010.



Krishna K. Parat

IN TESTIMONY WHEREOF, I have hereunto set my hand this ___ day of _____, 2010.

Shane Trapp

IN TESTIMONY WHEREOF, I have hereunto set my hand this ___ day of _____, 2010.

Krishna K. Parat

IN TESTIMONY WHEREOF, I have hereunto set my hand this 16 day of December, 2010.



Shane Trapp