

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>Chia-Pin Chiu</td> <td>08/31/2012</td> </tr> <tr> <td>Zhiguo Qian</td> <td>08/31/2012</td> </tr> <tr> <td>Mathew J. Manusharow</td> <td>08/31/2012</td> </tr> </tbody> </table>		Name	Execution Date	Chia-Pin Chiu	08/31/2012	Zhiguo Qian	08/31/2012	Mathew J. Manusharow	08/31/2012
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Chia-Pin Chiu	08/31/2012								
Zhiguo Qian	08/31/2012								
Mathew J. Manusharow	08/31/2012								
RECEIVING PARTY DATA									
Name:	Intel Corporation								
Street Address:	2200 Mission College Boulevard								
City:	Santa Clara								
State/Country:	CALIFORNIA								
Postal Code:	95052								
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>13610780</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13610780				
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Application Number:	13610780								
CORRESPONDENCE DATA									
Fax Number:	5037962900								
Phone:	503-222-9981								
Email:	cdoolittle@schwabe.com								
<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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Address Line 4:	Portland, OREGON 97204								
ATTORNEY DOCKET NUMBER:	111079-186942 (P45572)								
NAME OF SUBMITTER:	Christie Doolittle								
Total Attachments: 2 source=P45572_Assignment#page1.tif source=P45572_Assignment#page2.tif									

CH \$40.00 13610780

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged that the undersigned,

ASSIGNOR(S): Chia-Pin Chiu
Zhiguo Qian
Mathew J. Manusharow

hereby sell, assign, and transfer to

ASSIGNEE: Intel Corporation
2200 Mission College Boulevard
Santa Clara, California 95052

and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the United States patent entitled:

**BRIDGE INTERCONNECT
WITH AIR GAP IN PACKAGE ASSEMBLY**

(I hereby authorize and request my attorney, associated with Customer Number 31817, to insert on the designated lines below, the filing date and application number of said application when known.)

which was filed on September 11, 2012 as
United States Application Number 13/610,780 and

which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

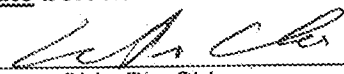
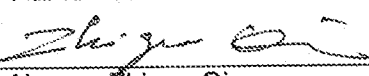
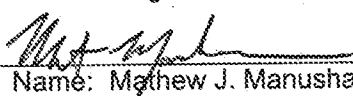
and in and to said application and all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense

of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

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

Inventor: Please sign and date below:

<u>8-31-2012</u> Date	<u></u> Name: Chia-Pin Chiu
<u>8-31-2012</u> Date	<u></u> Name: Zhiguo Qian
<u>8-31-2012</u> Date	<u></u> Name: Mathew J. Manusharow

Assignment Document Return Address:

Schwabe, Williamson & Wyatt, P.C.
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Portland, Oregon 97204
Telephone: 503-222-9981