#### 502730931 03/20/2014

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2777537

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
CHIA-PIN CHIU	03/10/2014
KINYA ICHIKAWA	03/13/2014
YOSHIHIRO TOMITA	03/13/2014
ROBERT L SANKMAN	03/11/2014
ERIC LI	03/18/2014

#### **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**

Property Type	Number
Application Number:	14219749

#### **CORRESPONDENCE DATA**

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.

Phone: 612-373-6900
Email: request@slwip.com

Correspondent Name: SCHWEGMAN, LUNDBERG & WOESSNER/INTEL

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Address Line 4: MINNEAPOLIS, MINNESOTA 55402

ATTORNEY DOCKET NUMBER:	884.Q27US1
NAME OF SUBMITTER:	NANCY CUNDALL
SIGNATURE:	/Nancy Cundall/
DATE SIGNED:	03/20/2014

**Total Attachments: 9** 

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502730931 PATENT REEL: 032486 FRAME: 0153

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PATENT REEL: 032486 FRAME: 0154

# RECORDATION FORM COVER SHEET PATENTS ONLY

Atty Ref/Docket No.: 884.Q27US1 Patent and Trademark Office To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Name: Intel Corporation Chia-Pin Chiu, Kinya Ichikawa, Yoshihiro Tomita, Street Address: 2200 Mission College Blvd. Robert L. Sankman, Eric Li Additional name(s) of conveying party(ies) attached? City: Santa Clara State: CA Zip: <u>95054</u> Country: United States of America [ ]Yes [X]No Additional name(s) & address(es) attached? []Yes [X]No 3. Nature of conveyance: [X] Assignment Merger [ ] Security Agreement [ ] Change of Name [ ] Other Execution Date: March 10, 2014, March 13, 2014, March 13, 2014, March 11, 2014, March 18, 2014 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) B. Patent No.(s) Serial No. 14/219,749 Additional numbers attached? [ ]Yes [X]No 6. Total number of applications and patents involved: 1 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41):\$ <u>0.00</u> Name: Andrew R. Peret []Enclosed [Authorized to be charged to deposit account 19-Address: 0743 Schwegman, Lundberg & Woessner, P.A. P.O. Box 2938 8. Please charge any additional fees or credit any over Minneapolis, MN 55402--0938 payments to our Deposit Account No.: 19-0743 DO NOT USE THIS SPACE Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. andrew Peret Andrew R. Peret/Reg. No. 41,246 Name of Person Signing Total number of pages including cover sheet: 9 Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks

Mail Stop Assignment Recordation Services

P.O. Box 1450

Alexandria, VA 22313-1450

PATENT REEL: 032486 FRAME: 0155

# **ASSIGNMENT**

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned inventor(s):

<Chia-Pin Chiu, Kinya Ichikawa, Yoshihiro Tomita, Robert L. Sankman, Eric Li>

hereby sell, assign, and transfer to:

### **Intel Corporation**

a corporation of Delaware, having a principal place of business at 2200 Mission College Boulevard, Santa Clara, California, 95054 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all other countries, in and to any and all inventions and improvements that are disclosed in the application for the patent entitled:

# METHODS OF CONNECTING A FIRST ELECTRONIC PACKAGE

(I hereby authorize and request any attorney having appropr designated lines below, the filing date and application number	iate authority from the assignee to insert on the r of said application when known.)
which was filed on <u>March 19, 2014</u> a	s
United States of America Application Country or International Office	Number <u>14/219,749</u>

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 Additional Applications, and all other patent applications that have been or shall be filed in the United States and all other countries and international filing offices on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all other countries and international filing offices on said inventions and improvements; and in and to all rights of priority resulting from the filing of said applications; as used herein "Additional Applications" includes but is not limited to design, utility, utility model, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and national phase applications on said inventions and improvements;

and agree that said Assignee may apply for and receive a patent or patents for said inventions and 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 Additional Applications, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors,

assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and 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.

_ Chli Chi	7-10-2014 Date Signed
Chia-Pin Chiu	Date Signed
Kinya Ichikawa	Date Signed
Yoshihiro Tomita	Date Signed
Robert L. Sankman	Date Signed
Eric Li	Date Signed

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Chia-Pin Chiu	Date Signed	
Hyx Helikawa Kinya Ichikawa	<u>3 / / 3 / 2 0 / 4</u> Date Signed	
Joshihiro Tomita	3/13/2014	
Yoshihiro Tomita	Date Signed	
Robert L. Sankman	Date Signed	
Eric Li	Date Signed	

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Unit	ed States	of America	Application Numbe	14/210 740

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Chia-Pin Chiu	Date Signed
Kinya Ichikawa	Date Signed
Yoshihiro Tomita	Date Signed
Test I John	3/11/2014
Robert L. Sankman	Date Signed
Eric Li	Date Signed

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(I hereby authorize and designated lines below, t	request any attorney h he filing date and appl	aving appropriate auth ication number of said :	ority from the assignee to insert on the application when known.)
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Kinya Ichikawa	Date Signed
Yoshihiro Tomita	Date Signed
Robert L. Sankman	Date Signed
	03/18/2014
Eric Li	Date Signed

Page 2 of 2