

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3728650

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the ADD ADDITIONAL INVENTOR YIQUN BAI FOR USSN 13721266 previously recorded on Reel 037552 Frame 0262. Assignor(s) hereby confirms the ASSIGNMENT.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YIQUN BAI	01/25/2013
YUYING WEI	01/29/2013
ARJUN KRISHNAN	01/25/2013
SURIYAKALA RAMALINGAM	01/25/2013
YONGHAO XIU	01/25/2013
BEVERLY J. CANHAM	01/25/2013
SIVAKUMAR NAGARAJAN	01/25/2013
SAIKUMAR JAYARAMAN	01/25/2013
NISHA ANANTHAKRISHNAN	02/07/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	INTEL CORPORATION
<b>Street Address:</b>	2200 MISSION COLLEGE BOULEVARD
<b>City:</b>	SANTA CLARA
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95054
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13721266
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(408)720-8383
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	408-720-8300
<b>Email:</b>	TAMMY_HU@BSTZ.COM
<b>Correspondent Name:</b>	BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP
<b>Address Line 1:</b>	1279 OAKMEAD PARYWAY
<b>Address Line 4:</b>	SUNNYVALE, CALIFORNIA 94085
<b>ATTORNEY DOCKET NUMBER:</b>	P46430

<b>NAME OF SUBMITTER:</b>	TAMMY HUI-CHUN, HU
<b>SIGNATURE:</b>	/Tammy Hui-Chun, Hu/
<b>DATE SIGNED:</b>	02/05/2016
<b>Total Attachments: 3</b> source=P46430 CoverSheet#page1.tif source=P46430 ASSIGN 012116#page1.tif source=P46430 ASSIGN 012116#page2.tif	

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3706050

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
WEI YUYING	01/29/2013
KRISHNAN ARJUN	01/25/2013
RAMALINGAM SURIYAKALA	01/25/2013
XIU YONGHAO	01/25/2013
CANHAM BEVERLY J.	01/25/2013
NAGARAJAN SIVAKUMAR	01/25/2013
JAYARAMAN SAIKUMAR	01/25/2013
ANANTHAKRISHNAN NISHA	02/07/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	INTEL CORPORATION
<b>Street Address:</b>	2200 MISSION COLLEGE BOULEVARD
<b>City:</b>	SANTA CLARA
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95054
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	13721266
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<b>Fax Number:</b>	(408)720-8383
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<b>Phone:</b>	408-720-8300
<b>Email:</b>	TAMMY_HU@BSTZ.COM
<b>Correspondent Name:</b>	BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP
<b>Address Line 1:</b>	1279 OAKMEAD PARYWAY
<b>Address Line 4:</b>	SUNNYVALE, CALIFORNIA 94085
<b>ATTORNEY DOCKET NUMBER:</b>	42P46430
<b>NAME OF SUBMITTER:</b>	TAMMY HUI-CHUN, HU
<b>SIGNATURE:</b>	/Tammy Hui-Chun, Hu/

## **ASSIGNMENT**

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

**YIQUN BAI; YUYING WEI; ARJUN KRISHNAN; SURIYAKALA RAMALINGAM;  
YONGHAO XIU; BEVERLY J. CANHAM; SIVAKUMAR NAGARAJAN; SAIKUMAR  
JAYARAMAN; NISHA ANANTHAKRISHNAN**

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 foreign countries, in and to any and all inventions and improvements that are disclosed in the application for the United States patent entitled:

### **METHODS OF PROMOTING ADHESION BETWEEN UNDERFILL AND CONDUCTIVE BUMPS AND STRUCTURES FORMED THEREBY**

**(I hereby authorize and request my attorney, associated with Customer Number 59796, to insert on the designated lines below, the filing date and application number of said application when known.)**

which was filed on December 20, 2012 as  
United States Application Number 13/721,266 and

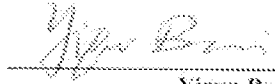
which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

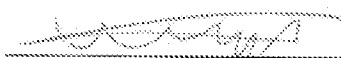
and in and to said application and all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions and improvements; and in and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

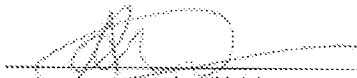
agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, 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


**INTEL CORPORATION  
LCA/PAL FORMS**

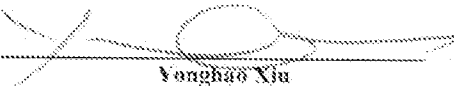
covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is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

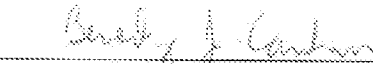
  
Yiqun Bai 1/25/2013  
(Today's Date)


  
Yuying Wei 1/29/2013  
(Today's Date)


  
Arjun Krishnan 1/25/13  
(Today's Date)

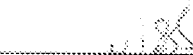
  
Suriyakala Ramalingam 1/29/13  
(Today's Date)

  
Yonghao Xiu 1/25/13  
(Today's Date)

  
Beverly J. Canham 1/25/13  
(Today's Date)

  
Sivakumar Nagarajan 1/25/13  
(Today's Date)

  
Sathkumar Jayaraman 1/25/13  
(Today's Date)

  
Nisha Ananthakrishnan 02/02/13  
(Today's Date)