

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2723238

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>YANG TANG</td> <td>12/06/2013</td> </tr> <tr> <td>JONG-KAE FWU</td> <td>12/09/2013</td> </tr> <tr> <td>YI HSUAN</td> <td>12/06/2013</td> </tr> <tr> <td>SEUNGHEE HAN</td> <td>12/06/2013</td> </tr> </tbody> </table>		Name	Execution Date	YANG TANG	12/06/2013	JONG-KAE FWU	12/09/2013	YI HSUAN	12/06/2013	SEUNGHEE HAN	12/06/2013
Name	Execution Date										
YANG TANG	12/06/2013										
JONG-KAE FWU	12/09/2013										
YI HSUAN	12/06/2013										
SEUNGHEE HAN	12/06/2013										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Intel IP Corporation</td> </tr> <tr> <td>Street Address:</td> <td>2200 Mission College Boulevard</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 IP Corporation	Street Address:	2200 Mission College Boulevard	City:	Santa Clara	State/Country:	CALIFORNIA	Postal Code:	95054
Name:	Intel IP Corporation										
Street Address:	2200 Mission College Boulevard										
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>PCT Number:</td> <td>US2013074692</td> </tr> </tbody> </table>		Property Type	Number	PCT Number:	US2013074692						
Property Type	Number										
PCT Number:	US2013074692										
CORRESPONDENCE DATA											
Fax Number: (503)796-2900 Phone: (503) 222-9981 Email: alee@schwabe.com <i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i> Correspondent Name: SCHWABE, WILLIAMSON & WYATT, P.C. Address Line 1: 1211 SW FIFTH AVENUE, SUITE 1600 Address Line 4: PORTLAND, OREGON 97204											
ATTORNEY DOCKET NUMBER:	111027-192608 / P61044PCT										
NAME OF SUBMITTER:	AILEEN LEE										
Signature:	/Aileen Lee/										

Date:

02/11/2014

Total Attachments: 5

source=P61044PCT Intel IP Assignment#page1.tif

source=P61044PCT Intel IP Assignment#page2.tif

source=P61044PCT Intel IP Assignment#page3.tif

source=P61044PCT Intel IP Assignment#page4.tif

source=P61044PCT Intel IP Assignment#page5.tif

ASSIGNMENT

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

Yang Tang, Jong-Kae Fwu, Yi Hsuan, and Seunghee Han

hereby sell, assign, and transfer to:

Intel IP 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:

HYBRID REFERENCE SIGNALS FOR WIRELESS COMMUNICATION

(I hereby authorize and request any attorney having appropriate authority from the assignee to insert on the designated lines below, the filing date and application number of said application when known.)

which was filed on December 12, 2013 as

International Office Application Number PCT/US2013/074692 and
COUNTRY or International Office

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.



Yang Tang

12/06/13

Date signed

Jong-Kae Fwu

Date signed

Yi Hsuan

Date signed

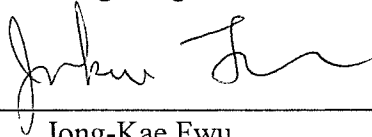
Seunghee Han

Date signed

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

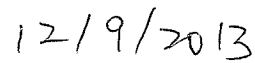
covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is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

Yang Tang



Jong-Kae Fwu

Date signed



Date signed

Yi Hsuan

Date signed

Seunghee Han

Date signed

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.

Yang Tang

Date signed

Jong-Kae Fwu

Date signed



Yi Hsuan



Date signed

Seunghee Han

Date signed

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.

Yang Tang

Date signed

Jong-Kae Fwu

Date signed

Yi Hsuan

Date signed



Seunghee Han

6th Dec, 2013

Date signed