

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT3724427

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SEUNGHEE HAN	01/29/2014
YUAN ZHU	02/07/2014
XIAOGANG CHEN	02/07/2014
JONG-KAE FWU	01/29/2014
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:	14927099
CORRESPONDENCE DATA	
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<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>	
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Correspondent Name:	THORPE NORTH & WESTERN LLP
Address Line 1:	P.O. BOX 52050
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ATTORNEY DOCKET NUMBER:	P56337USC2
NAME OF SUBMITTER:	ALEX W. HAYMOND
SIGNATURE:	/Alex W. Haymond/
DATE SIGNED:	02/03/2016
Total Attachments: 4	
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ASSIGNMENT

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

SEUNGHEE HAN; YUAN ZHU; JONG-KAE FWU; XIAOGANG CHEN

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:

PHYSICAL UPLINK CONTROL CHANNEL (PUCCH) RESOURCE ALLOCATION (RA) FOR A HYBRID AUTOMATIC RETRANSMISSION RE-QUEST-ACKNOWLEDGE (HARQ-ACK) TRANSMISSION

(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 June 27, 2013 as

International Office Application Number PCT/US2013/048348 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;

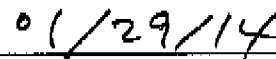
and agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent 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,

Attorney Docket No.: P56337PCT

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.



SEUNGHEE HAN

Date signed

YUAN ZHU

Date signed

JONG-KAE FWU

Date signed

XIAOGANG CHEN

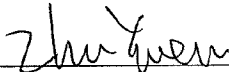
Date signed

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SEUNGHEE HAN

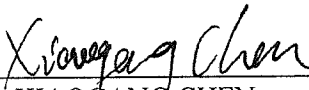
Date signed


YUAN ZHU

2014-2-7
Date signed

JONG-KAE FWU

Date signed


XIAOGANG CHEN

2014-2-7
Date signed

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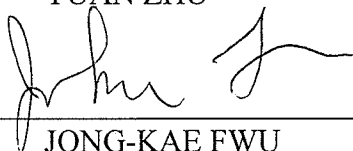
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SEUNGHEE HAN

Date signed

YUAN ZHU

Date signed



JONG-KAE FWU

01/29/2014

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XIAOGANG CHEN

Date signed