503159563 01/30/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CANDY YIU	12/19/2014
CHIA-YANG CHIANG	01/29/2015
YUJIAN ZHANG	12/22/2014
YOUN HYOUNG HEO	01/09/2015
MO-HAN FONG	12/19/2014

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
PCT Number:	US2013062427

CORRESPONDENCE DATA

Fax Number:

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.

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

Correspondent Name: SCHWEGMAN, LUNDBERG & WOESSNER/INTEL

Address Line 1: PO BOX 2938

Address Line 4: MINNEAPOLIS, MINNESOTA 55402

ATTORNEY DOCKET NUMBER:	884.P50WO1
NAME OF SUBMITTER:	NANCY CUNDALL
SIGNATURE:	/Nancy Cundall/
DATE SIGNED:	01/30/2015

Total Attachments: 11

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PATENT REEL: 034855 FRAME: 0242

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Atty Ref/Docket No.: 884.P50WO1

RECORDATION FORM COVER SHEET PATENTS ONLY

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 Candy Yiu, Chia-Yang Chiang, Yujian Zhang, Youn Street Address: 2200 Mission College Blvd. Hyoung Heo, Mo-Han Fong Additional name(s) of conveying party(ies) attached? City: Santa Clara State: CA Zip: 95054 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: December 19, 2014, January 29, 2015, December 22, 2014, January 9, 2015, December 19, 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. PCT/US2013/062427 Additional numbers attached? []Yes [X]No 6. Total number of applications and patents involved: 1 5. Name and address of party to whom correspondence 7. Total fee (37 CFR 3.41):\$ <u>0.00</u> concerning document should be mailed: Name: Rigel J. Menard []Enclosed [Authorized to be charged to deposit account Address: 504238 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.: 504238 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. 1/30/2015 /Rigel J Menard/ Rigel J. Menard/Reg. No. 66,520 Name of Person Signing Signature Total number of pages including cover sheet: 11 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: 034855 FRAME: 0244

Patent and Trademark Office

<u>ASSIGNMENT</u>

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

<Candy Yiu, Chia-Yang Chiang, Yujian Zhang, Youn Hyoung Heo, Mo-Han Fong>

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:

RSRP MOBILITY STATE ESTIMATION FOR CELLULAR DEVICE

(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 September 27, 2013 as

PCT Application Number PCT/US2013/062427

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

Page 1 of 2

the historythm of and pure libraries wid Assignm, its entrance assignment and for vesting title to 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.

124 A)3	12/19/2014
Candy Yiu	Date Signed
Chia-Yang Chiang	Date Signed
Yujian Zhang	Date Signed
Youn Hyoung Heo	Date Signed
Mo-Han Fong	Date Signed

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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

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Candy Yiu	Date Signed
Clima, Clary on the	Jon 29, 2015
Chia-Yang Chiang	Date Signed
Yujian Zhang	Date Signed
Youn Hyoung Heo	Date Signed
Mo-Han Fong	Date Signed

Page 2 of 2

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Page Lot 3

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Candy Yiu	Date Signed
Chia-Yang Chiang	Date Signed
Yujian Zhang	<u> </u>
Youn Hyoung Heo	Date Signed
Mo-Han Fong	Date Signed

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Candy Yiu	Date Signed	
Chia-Yang Chiang	Date Signed	
Yujian Zhang	Date Signed	
JANG .	January 19, 24/6	
Youn Hyoung Heo	Tonuary # 1 , 2 = 1 Date Signed	
Mo-Han Fong	Date Signed	

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Candy Yiu	Date Signed
Chia-Yang Chiang	Date Signed
Yujian Zhang	Date Signed
Youn Hyoung Heo	Date Signed
This This	Dec 19, 2014
Mo-Haw Fong	Date Signed

Page 2 of 2