

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3905712

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MICHAEL ZITZMANN	11/10/2014
HYUNG-NAM CHOI	05/20/2016
GEETHIKA KANKIPATI	05/12/2014
SUDEEP MANITHARA VAMANAN	11/18/2014
BIRGIT BREINING	11/11/2014
BISMARCK OKYERE	05/23/2016
RECEIVING PARTY DATA	
Name:	INTEL IP 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:	US2014063434
CORRESPONDENCE DATA	
Fax Number:	
<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>	
Email:	REQUEST@SLWIP.COM
Correspondent Name:	SCHWEGMAN LUNDBERG & WOESSNER, P.A.
Address Line 1:	PO BOX 2938
Address Line 4:	MINNEAPOLIS, MINNESOTA 55402-0938
ATTORNEY DOCKET NUMBER:	4884.179WO1
NAME OF SUBMITTER:	LINN LEIFERMAN
SIGNATURE:	/Linn Leiferman/
DATE SIGNED:	06/07/2016
Total Attachments: 8	
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RECORDATION FORM COVER SHEET
PATENTS ONLY

Atty Ref/Docket No.: 4884.179WO1

Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Michael Zitzmann, Hyung-Nam Choi, Geethika Kankipati, Sudeep Manithara Vamanan, Birgit Breining, Bismark Okyere

Additional name(s) of conveying party(ies) attached?
 Yes No

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: November 10, 2014, May 20, 2016,
May 12, 2014, November 18, 2014, November 11,
2014, May 23, 2016

2. Name and address of receiving party(ies):

Name: Intel IP Corporation

Street Address: 2200 Mission College Boulevard

City: Santa Clara State: CA Zip: 95054
Country: United States of America

Additional name(s) & address(es) attached? Yes
 No

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/US2014/063434, Filed October 31, 2014

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Theresa R. Stadheim

Address:

Schwegman Lundberg & Woessner, P.A.
P.O. Box 2938
Minneapolis, MN 55402--0938

6. Total number of applications and patents involved:
1

7. Total fee (37 CFR 3.41):\$ 0.00

Enclosed

Authorized to be charged to deposit account
504238

8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 504238

DO NOT USE THIS SPACE

9. 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.

/Theresa R. Stadheim/

May 26, 2016

Theresa R. Stadheim/Reg. No. 67.464

Name of Person Signing

Signature

Date

Total number of pages including cover sheet: 8

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: 038828 FRAME: 0907

Intel Docket No.: P74931PCT
SLW Reference No.: 4884.179WO1

ASSIGNMENT

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

<Michael Zitzmann, Hyung-Nam Choi, Geethika Kankipati, Sudeep Vamanan, Birgit Breining, Bismark Okyere>

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:

SIGNALING EXTENDED EARFCN AND E-UTRA BANDS IN UMTS NETWORKS

(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 October 31, 2014 as

PCT Application Number PCT/US2014/063434

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

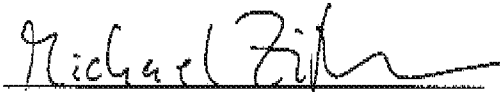
and in and to said application and all Additional Applications, and all other patent applications that have been or shall be filed in the United States and all other countries and international filing offices on any of said inventions and improvements; and in and to all original and reissued patents 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,

Intel Docket No.: P74931PCT
SLW Reference No.: 4884.179WO1

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.



Michael Zitzmann

11/10/2014

Date Signed

Hyung-Nam Choi

Date Signed

Geethika Kankipati

Date Signed

Sudeep Vamanan

Date Signed

Birgit Breining

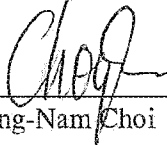
Date Signed

Bismark Okyere

Date Signed

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Michael Zitzmann


Hyung-Nam Choi

Date Signed
May 20th, 2016

Date Signed

Geethika Kankipati

Date Signed

Sudeep Vamanan

Date Signed

Birgit Breining

Date Signed

Bismark Okyere

Date Signed

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_____ Michael Zitzmann	_____ Date Signed
_____ Hyung-Nam Choi	_____ Date Signed
_____ <i>K. Geethika</i> Geethika Kankipati	_____ <i>05/12/2014</i> Date Signed
_____ Sudeep Vamanan	_____ Date Signed
_____ Birgit Breining	_____ Date Signed
_____ Bismark Okyere	_____ Date Signed

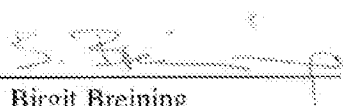
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Michael Zitzmann	Date Signed
Hyung-Nam Choi	Date Signed
Geethika Kankipati	Date Signed
 Sudeep Vamanan	18. NOV. 2014 Date Signed
 Bismark Okyere	Date Signed
Birgit Breining	Date Signed
Bismark Okyere	Date Signed


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Michael Zitzmann	Date Signed
Hyung-Nam Choi	Date Signed
Geethika Kankipati	Date Signed
Sudeep Vamanan	Date Signed
 Birgit Breining	11/11/14 Date Signed
Bismark Okyere	Date Signed

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_____ Hyung-Nam Choi	_____ Date Signed
_____ Geethika Kankipati	_____ Date Signed
_____ Sudeep Vamanan	_____ Date Signed
_____ Birgit Breining	_____ Date Signed
_____  Bismark Okyere	_____ 23/05/2016 Date Signed