

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2822223

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SANGEETHA L BANGOLAE	01/14/2014
MARTA MARTINEZ TARRADELL	01/14/2014
ANA LUCIA PINHEIRO	01/14/2014
PUNEET JAIN	01/14/2014
CHANG HONG SHAN	03/18/2014
HYUNG-NAM CHOI	04/16/2014
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
Application Number:	14141985
CORRESPONDENCE DATA	
Fax Number:	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
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:	4884.054US1
NAME OF SUBMITTER:	NANCY CUNDALL
SIGNATURE:	/Nancy Cundall/
DATE SIGNED:	04/21/2014
Total Attachments: 7	
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PATENT

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RECORDATION FORM COVER SHEET
PATENTS ONLY

Atty Ref/Docket No.: 4884.054US1

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):

Sangeetha L. Bangolac, Marta Martinez Tarradell, Ana Lucia Pinheiro, Puneet Jain, Chang Hong Shan, Hyung-Nam Choi

Additional name(s) of conveying party(ies) attached?

Yes No

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: January 14, 2014, January 14, 2014,
January 14, 2014, January 14, 2014, March 18, 2014,
April 16, 2014

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)

Serial No. 14/141,985

B. Patent No.(s)

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 19-0743

8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743

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/Reg. No. 67,464
Name of Person Signing

/Theresa R. Stadheim/ April 21, 2014
Signature Date

Total number of pages including cover sheet: 7

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: 032719 FRAME: 0231

ASSIGNMENT

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

[INIT] Marta Martinez Tarradell

Sangeetha L. Bangolae, Tarradell Martinez, Ana Lucia Pinheiro, Puneet Jain, Chang Hong Shan, Hyung-Nam Choi

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:

AN APPARATUS AND METHOD FOR CONGESTION CONTROL IN WIRELESS COMMUNICATION 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 December 27, 2013 as

United States of America Application Number 14/141,985

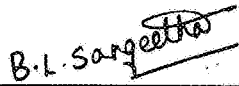
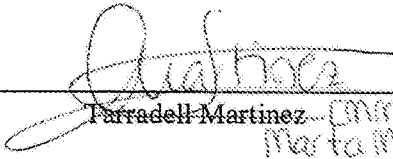
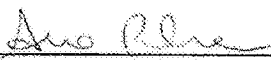
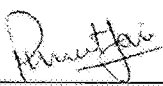
which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

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.

 _____ Sangeetha L. Bangolae	<u>01/14/2014</u> Date Signed
 _____ Tarradell-Martinez Marta Martinez Tarradell	<u>1/14/2014</u> Date Signed
 _____ Ana Lucia Pinheiro	<u>1/14/14</u> Date Signed
 _____ Puneet Jain	<u>1/14/2014</u> Date Signed
_____ Chang Hong Shan	_____ Date Signed
_____ Hyung-Nam Choi	_____ Date Signed

ASSIGNMENT

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

Sangeetha L. Bangolae, Tarradell Martinez, Ana Lucia Pinheiro, Puneet Jain, Chang Hong Shan, Hyung-Nam Choi

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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:

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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

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_____ Sangeetha L. Bangolae	_____ Date Signed
_____ Tarradell Martinez	_____ Date Signed
_____ Ana Lucia Pinheiro	_____ Date Signed
_____ Puneet Jain	_____ Date Signed
_____ <i>Changhong Shan</i> Chang Hong Shan	_____ <i>Mar. 18th, 2018</i> Date Signed
_____ Hyung-Nam Choi	_____ Date Signed

ASSIGNMENT

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Sangeetha L. Bangolae

Date Signed

Tarradell Martinez

Date Signed

Ana Lucia Pinheiro

Date Signed

Puneet Jain

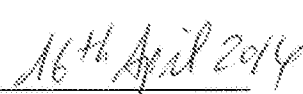
Date Signed

Chang Hong Shan

Date Signed



Hyung-Nam Choi



Date Signed