PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3707182

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SANTOSH PAUL ABRAHAM	01/20/2016
ABHISHEK PRAMOD PATIL	12/11/2015
GEORGE CHERIAN	12/11/2015
ALIREZA RAISSINIA	12/11/2015

RECEIVING PARTY DATA

Name:	QUALCOMM INCORPORATED	
Street Address:	5775 MOREHOUSE DRIVE	
City:	SAN DIEGO	
State/Country:	CALIFORNIA	
Postal Code:	92121-1714	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14861615

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: 512.327.5515

Email: npasarya@tlgiplaw.com
Correspondent Name: TOLER LAW GROUP, PC
Address Line 1: 8500 BLUFFSTONE COVE

Address Line 2: SUITE A201

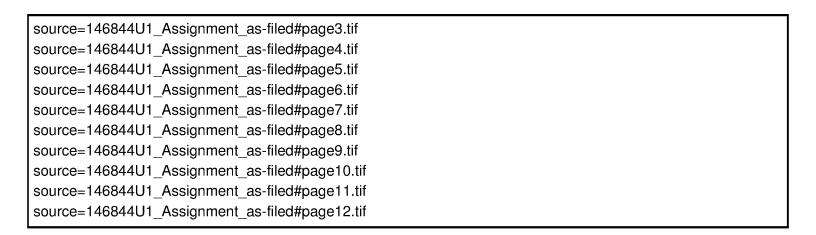
Address Line 4: AUSTIN, TEXAS 78759

ATTORNEY DOCKET NUMBER:	146844U1
NAME OF SUBMITTER:	NISHI PASARYA
SIGNATURE:	/Nishi Pasarya/
DATE SIGNED:	01/22/2016

Total Attachments: 12

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PATENT 503660548 REEL: 037558 FRAME: 0304



WHEREAS, WE,

- 1. Santosh Paul ABRAHAM, a citizen of the United States of America, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121-1714 and a resident of San Diego, CA,
- 2. Abhishek Pramod PATIL, a citizen of the Republic of India, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121-1714 and a resident of San Diego, CA,
- 3. George CHERIAN, a citizen of the United States of America, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121-1714 and a resident of San Diego, CA.
- 4. Alireza RAISSINIA, a citizen of the United States of America, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121-1714 and a resident of Monte Sereno, CA,

have conceived of one or more processes, methods, machines, articles of manufacture, designs, compositions of matter, inventions, discoveries or new or useful improvements relating to NEIGHBOR AWARE NETWORK LOGICAL CHANNELS (collectively the "INVENTIONS") for which WE have executed and/or may execute one or more patent applications therefor; and

WHEREAS, QUALCOMM Incorporated (hereinafter "ASSIGNEE"), a Delaware corporation, having a place of business at 5775 Morehouse Drive, San Diego, California 92121-1714, U.S.A., desires to acquire or otherwise obtain the entire right, title, and interest in and to said INVENTIONS, including all inventions related thereto or thereof, all patent applications therefor, and all patents that have granted or may be granted hereafter thereon, including but not limited to those identified below.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, WE do hereby acknowledge that WE have sold, assigned, conveyed, and transferred, and by these presents do hereby sell, assign, convey, and transfer, unto ASSIGNEE, its successors, its legal representatives, and its assigns, the entire right, title, and interest throughout the world in and to said INVENTIONS, including all patent applications therefor that may have been filed or may be filed hereafter for said INVENTIONS in the United States, including but not limited to U.S. Application No(s). 14/861,615 filed September 22, 2015, Qualcomm Reference No. 146844U1, and all provisional applications relating thereto, together with U.S. Provisional Application No(s). 62/054,586, filed September 24, 2014, Qualcomm Reference No. 146844P1; 62/119,748, filed February 23, 2015, Qualcomm Reference No. 146844P3, (and do hereby authorize ASSIGNEE and its representative to hereafter add herein such application

AND WE further do acknowledge and agree that WE have sold, assigned, conveyed, and transferred, and by these presents do hereby sell, assign, convey, and transfer, unto ASSIGNEE, its successors, its legal representatives, and its assigns, all rights of priority under International Conventions, Treaties, or Agreements, and the entire right, title, and interest throughout the world in said INVENTIONS, including all inventions related thereto or thereof, and all patent applications therefor that may have been filed or may be filed hereafter for said INVENTIONS in any foreign country, countries, or treaty/union organizations, and all divisional applications, renewal applications, continuation applications, continuation-in-part applications, patent of addition applications, confirmation applications, validation applications, utility model applications, and design applications thereof, and all issued patents which may have granted or may be granted hereafter for said INVENTIONS in any country or countries foreign to the United States, and all reissues, renewals, reexaminations, and extensions thereof;

AND WE DO HEREBY authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications or registrations, to issue all patents for said INVENTIONS to said ASSIGNEE, its successors, its legal representatives and its assigns, in accordance with the terms of this instrument;

AND WE DO HEREBY sell, assign, transfer, and convey to said ASSIGNEE, its successors, its legal representatives, and its assigns all claims for damages and all remedies arising out of or relating to any violation(s) of any of the rights assigned hereby that have or may have accrued prior to the date of assignment to said ASSIGNEE, or may accrue hereafter, including, but not limited to the right to sue for, seek, obtain, collect, recover, and retain damages and any ongoing or prospective royalties to which WE may be entitled, or that WE may collect for any infringement or from any settlement or agreement related to any of said patents before or after issuance;

AND WE HEREBY covenant and agree that WE will communicate promptly to said ASSIGNEE, its successors, its legal representatives, and its assigns, any facts known to us respecting said INVENTIONS, and will testify in any legal proceeding, sign all lawful papers, execute all applications and certificates, make all rightful declarations and/or oaths, and provide all lawful assistance to said ASSIGNEE, its successors, its legal representatives and its assigns, to obtain and enforce patent protection for said INVENTIONS in all countries;

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	LOCATION	DATE.	Santosh Paul ABRAHAM
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	LOCATION	DATE	Abhishek Pramod PATIL
Done at _		n .	
	LOCATION	DATE	George CHERIAN
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	LOCATION	DATE	Alicera RAISSINIA

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	LOCATION	DATE	Santosh Paul ABRAHAM
Done at _	Sam Diese 300 LOCATION	12-fir 45 DATE	Abhishek Pramod PATIL
Done at	LOCATION	DATE:	George CHERIAN
Done at	LOCATION , on	DATE	Alireza RAISSINIA

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	LOCATION	,,,,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	DATE	Santosh Paul ABRAHAM
Done at		_, on		310.000 a.m.
	LOCATION		DATE	Abhishek Pramod PATIL
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nata, independing see 1	LOCATION	Annes de la commencia de la co	DATE	George CHERIAN
appagi na hana na				
Done at		_, on		
	LOCATION		DATE	Alireza RAISSINIA

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Done at _	<u></u>	on	
	LOCATION	DATE	Santosh Paul ABRAHAM
one at _	*	on	
	LOCATION	DATE	Abhishek Pramod PATIL
one at		on	
	LOCATION	DATE	George CHERIAN
one at	SZC.,	on 12/11/2011	
	LÖCATION	DATE	Ajireza RAISSINIA

PATENT REEL: 037558 FRAME: 0317

RECORDED: 01/22/2016