# 506436492 01/06/2021

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6483259

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
SONY AKKARAKARAN	12/26/2020
TAO LUO	12/30/2020
JUNYI LI	01/03/2021
JUAN MONTOJO	12/26/2020
JUNG HO RYU	01/01/2021
KAPIL GULATI	12/28/2020
HONG CHENG	12/28/2020

#### **RECEIVING PARTY DATA**

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

# **PROPERTY NUMBERS Total: 2**

Property Type	Number
Application Number:	16947658
Application Number:	62886301

#### **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:** 5714320800

**Email:** kpaige@harrityllp.com

Correspondent Name: HARRITY AND HARRITY, LLP Address Line 1: 11350 RANDOM HILLS ROAD

Address Line 2: SUITE 600

Address Line 4: FAIRFAX, VIRGINIA 22030

ATTORNEY DOCKET NUMBER:	0097-0965/194348
NAME OF SUBMITTER:	NATALIE PARCELL
SIGNATURE:	/Natalie Parcell/

DATE SIGNED:	01/06/2021	
Total Attachments: 9		
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# **ASSIGNMENT**

# WHEREAS, WE,

- 1. Sony AKKARAKARAN, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121, US,
- 2. Tao LUO, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121, US,
- 3. Junyi LI, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121, US,
- 4. Juan MONTOJO, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121, US,
- 5. Jung Ho RYU, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121, US,
- 6. **Kapil GULATI**, having a mailing address located at **5775 Morehouse Drive**, **San Diego**, **CA 92121**, **US**,
- 7. Hong CHENG, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121, US,

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 **CONNECTIVITY GRAPH FOR WIRELESS NETWORK ROUTING** (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). 16/947,658 filed August 11, 2020,

Qualcomm Reference Number 194348 and all provisional applications relating thereto, together with U.S. Provisional Application No(s). 62/886,301, filed August 13, 2019, Qualcomm Reference Number 194348P1, (and do hereby authorize ASSIGNEE and its representative to hereafter add herein such application number(s) and/or filing date(s) when known), and all divisional applications, renewal applications, continuation applications, continuation-in-part applications, and design applications thereof, and all issued patents of the United States which may have granted or may be granted hereafter thereon and all reissues, renewals, reexaminations, and extensions to any of the foregoing and all patents issuing thereon in the United States;

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;

Done at Poway, CA, USA, on 12/26/2020 Date	
City, State Date	Sony AKKARAKARAN
Done at, on City, State Date	
City, State Date	Tao LUO
Done at, on City, State Date	
Done at, on City, State Date	Juan MONTOJO
Done at, on	
Done at, on	Kapil GULATI
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Done at	, 00	water corners
City, State	Date	Hong CHENG

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Page Lot 3

AND WE HEREBY covenant that WE will not execute any writing or do any act whatsoever conflicting with these presents.

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Docum	City State	.00	Days	Junyi [ I
Donest	City State	, (9)	Date	Juan MONTOJO
Donesi	Large Mark	, on	Date	Jung He RYI
Done at	City State	, on	Date	Kapil GULATI
Done at	Cay State	, on	Date	Hong CHENG

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	City, State	in ming" — min min	Date	Sony AKKARAKARAN
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	City, State		Date	Tao LUO
Done at ]		_, on _		Junyi LI
	City, State		Date	Junyi L.I
Done at		, on	Date	
	City, State		Date	Juan MONTOJO
Done at	City, State	, on		
ĺ	City, State			Jung Ho RYU
Done at	BELLE MEN, NO	, on	12/24/2020	Wh
	City, State		12/24/2020 Date	Kapil GULATI
Done at		. On		
	City, State	**** ,	Date	Hong CHENG

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Qualcomm Reference Number: 194348

Page 3 of 3

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Done at	, on		
City	State	Date	Sony AKKARAKARAN
Done at	, on		
City,	, State	Date	Tao LUO
Done at	, on		
City,	, State	Date	Junyi LI
Done at	, on		
City.	State	Date	Juan MONTOJO
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Done at	, on _		
City,	State	Date	Kapil GULATI
Done at hosten	LAgy Non _	1448/2020	Char
Cny;	State	Date	Hong CHENG

PATENT REEL: 054833 FRAME: 0047

**RECORDED: 01/06/2021**