# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6277635

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
XIAO FENG WANG	05/01/2020
JUN MA	04/30/2020
QIANG WU	07/31/2020
HUILIN XU	05/08/2020
IYAB ISSAM SAKHNINI	04/30/2020
DAN ZHANG	05/15/2020

### **RECEIVING PARTY DATA**

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

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number		
Application Number:	16805472		

### **CORRESPONDENCE DATA**

Fax Number: (949)202-3001

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: 949-202-3031

Email: trang.nguyen@haynesboone.com, ipdocketing@haynesboone.com

HAYNES AND BOONE, LLP **Correspondent Name:** 

Address Line 1: 2323 VICTORY AVENUE, SUITE 700

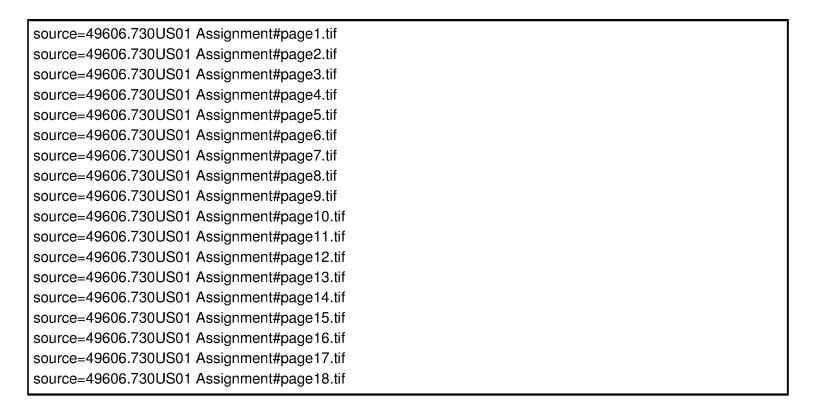
Address Line 4: DALLAS, TEXAS 75219

ATTORNEY DOCKET NUMBER:	49606.730US01 (201227)
NAME OF SUBMITTER:	JONATHAN W. HALLMAN
SIGNATURE:	/Jonathan W. Hallman/
DATE SIGNED:	09/01/2020

**Total Attachments: 18** 

**PATENT REEL: 053656 FRAME: 0655** 

506230891



### WHEREAS, WE,

- 1. Xiao Feng WANG, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121.
- 2. Jun MA, having a mailing address located at 5775 Morchouse Drive, San Diego, CA 92121.
- Qiang WU, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121.
- 4. Huilin XU, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121.
- 5. Iyab Issam SAKHNINI, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121.
- Dan ZHANG, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121.

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 UPLINK FREQUENCY AND TIMING COMPENSATION IN A NON-TERRESTRIAL NETWORK (collectively the "INVENTION") 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). 16/805,472 filed February 28, 2020, Qualcomm Reference Number 201227, (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

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, 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;

### PATENT

Onstoom February Names 281227

Page 1013

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

Disease N	n Province Chr. State		S/U/Jubb Day	Xiao Feng WANG
Done at	Cox. State	, on	Date	Jun MA
Done at	City, State		Date	Qiang WU
Done at	City, State	on	Date	Hailin XU
Done at	City State		Date	Iyab Issam SAKHNINI
Done at	City State		Date	Dan ZH ANG

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- 2. Jun MA, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121,
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- 5. Iyab Issam SAKHNINI, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121,
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Done at		, 08	
	City, State	Date	Xizo Feng WANG
Oone at_	San Plego, C	A , on <u>04/30/.</u> Date	20 <u>/                                   </u>
	City, State	Date	Jun MA
Done at			
	City, State	Date	Qiang WU
Done at		, on	
	City, State	Date	Mailin XV
Done at_		, on	
		Date	iyab issam SAKIININI
Done at		, on	
	City, State	Date	Dan ZHANG

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- 2. Jun MA, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121,
- 3. Qiang WU, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121.
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- 5. Iyab Issam SAKHNINI, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121,
- 6. Dan ZHANG, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121

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# PATENT

Qualcomm Reference Number 201227
Page 3 of 3

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

Done at	***********	, on		377 F 337 1 A 7 C
	City, State		Date	Xiao Feng WANG
Done at		, on _		I 8.4 4
	City, State		Date	Jun MA
Done at∑	an Diego, C	$A$ , on _	7/3//2020	Gonn
	City, State		Date	Qiang WU
Done at_		, on _		
	City, State		Date	Huilin XV
Done at_		, on		
	City, State		Date	Iyab Issam SAKHNINI
Done at		, on _		
	City, State		Date	Dan ZHANG

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Done at	, on _		
	City, State	Date	Xiao Feng WANG
Done at	, on		
	City, State	Date	Jun MA
Done at	City, State		
			Qiang WU
Done at <u>So</u>	City, State	05/08/2020	<u> Al</u>
	City, State	Date	Huilin XU
Done at	, on		
		Date	Iyab Issam SAKHNINI
Done at	, on		
	City, State	Date	Dan ZHANG

## WHEREAS, WE,

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Done at_		, on		
	City, State	Date	Xiao Feng WANG	
Done at_		, on		
	City, State	Date	Jun MA	
Done at_		, on		
	City, State	Daie	Qiang WU	
Done at_		, on		
	City, State	Date	Huilin XU	
Done at 5	ANDIEGO)GA	on 30 April 2025 Date	<u> </u>	
	City, State	Date	Iyab Issám SAKHNINI	
Done at_		, on		
	City, State	Date	Dan ZHANG	j

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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;

PATENT Chairman Reference Standber 201227 Page 1 of 2

AND WE HERFERY coverant that WE will not execute any writing or do any act unaccover conflicting with these present.

LANCE II	City State		Date	Xiao Feng WANG
Done at	City, State	, en	Date	Jun MA
Done at	City State	.00	Date	Qiang WI
Done at	City State	, on	Date	Hailin XU
	City, State		Jake	lyab Issam SAKHNINI
Done at \$25	n Di <mark>ego. (4.</mark> Ciro Xiane	.on 9	<u>/15/1479</u> Date	Dan ZHANG