PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6490768

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YUE CHAO	12/23/2020
YIWU TANG	01/05/2021
YUNLIANG ZHU	12/23/2020
DONGMIN PARK	01/09/2021
JINGCHENG ZHUANG	01/11/2021

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:	17079795

CORRESPONDENCE DATA

Fax Number: (770)804-0900

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: 770-709-0080

Email: qualcomm_docket@srtslaw.com

Correspondent Name: SMITH TEMPEL BLAHA LLC/QUALCOMM DOCKETIN

Address Line 1: 50 GLENLAKE PARKWAY

Address Line 2: SUITE 340

Address Line 4: ATLANTA, GEORGIA 30328

Total Attachments, 15	·
DATE SIGNED:	01/12/2021
SIGNATURE:	/Michael J. Tempel/
NAME OF SUBMITTER:	MICHAEL J. TEMPEL
ATTORNEY DOCKET NUMBER:	17006.0596U1

Total Attachments: 15

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WHEREAS, WE,

- 1. Yue CHAO, having a mailing address located at 5775 Morehouse Drive, San Diego, California, 92121-1714,
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- 3. Yunliang ZHU, having a mailing address located at 5775 Morehouse Drive, San Diego, California, 92121-1714,
- 4. **Dongmin PARK**, having a mailing address located at 5775 Morehouse Drive, San Diego, California, 92121-1714,
- 5. **Jingcheng ZHUANG,** having a mailing address located at 5775 Morehouse Drive, San Diego, California, 92121-1714,

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 a SYSTEM AND METHOD FOR MAINTAINING LOCAL OSCILLATOR (LO) PHASE CONTINUITY (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). 17/079,795 filed October 26, 2020, Qualcomm Reference Number 194198, and all provisional applications relating thereto, (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

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	San Drefo City, State	(A) 1	2/23/2020 Date	Yue CHAO	>
Done at	City, State	on	Date	Yiwu TANG	
Done at	City, State	, on <u>- 1</u>	Date	Yunliang Z.HU	
Done at-	City, State	, on	Date	Dongmin PARI	
Done at _	City State	on_	Date	Jingcheng ZHI	JANG - B

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PATENT

Qualcomm Reference Number: 194198

Page 3 of 3

Done at _	, on _		
	City, State	Date	Yue CHAO
Done at 🙎	San Diego, CA, on _	1/5/21	Yiwu TANG
	City, Citit	Duit	
Done at _	, on		
	City, State	Date	Yunliang ZHU
Done at	, on		
	City, State	Date	Dongmin PARK
Dága at			
Done at _	, on	Data	Financia - ZIIII ANG
	City, State	Date	Jingcheng ZHUANG

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PATENT Qualcomm Reference Number 194198 Page 3 of 3

Done at	City, State	, on	Date .	Yue CHAO
Done at	City, State	, on <u></u>	Date	Yiwu TANG
Done at So	un Diego, Cr City, State), on <u>/</u>	2/23/2020 Date	Yunliang ZHU.
Done at	City, State	on	Date	Dongmin PARK
Done at	City, State	, on	Date	Jingcheng ZHUANG

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Qualcomm Reference Number: 194198

Page 3 of 3

Done at		on_		
	City, State		Date	Yue CHAO
Done at	-	_, on		
	City, State		Date	 Yiwu TANG
Done at		, on		
	City, State		Date	Yunliang ZHU
			•	
Done at	San Diego,(.γ. _α	1/9/21	
	City, State	, on	Date	Dongmin PARK
.	The Walter			
Done at		, on		
	City State		Date	Iinachena ZHIIANG

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Qualcomm Reference Number: 194198 Page 3 of 3

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	City, State	Date	Yue CHAO
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	City, State	Date	Yiwu TANG
Done at _		, on	
	City, State	Date	Yunliang ZHU
Done at		. on	
-	City, State	Date	Dongmin PARK
Done at	ZanDiego,	Aon 1/11/2021	Ata
	City, State	Date	Jingcheng ZHUANG