PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6280034

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TING KONG	02/21/2020
YONGLE WU	02/03/2020
JAFAR MOHSENI	02/03/2020
PAOLO MINERO	07/21/2020
RAGHU NARAYANAN CHALLA	03/11/2020
ALEXEI YURIEVITCH GOROKHOV	02/07/2020

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:	16692554

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.

Email: ipdocketing@haynesboone.com **Correspondent Name:** HAYNES AND BOONE, LLP (49606)

Address Line 1: 2323 VICTORY AVENUE Address Line 4: DALLAS, TEXAS 75219

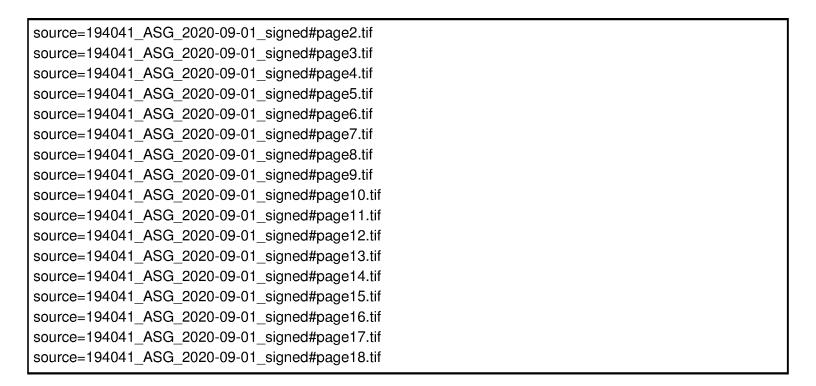
ATTORNEY DOCKET NUMBER:	49606.668US01 (194041)
NAME OF SUBMITTER:	MATTHEW MCKAIG
SIGNATURE:	/Matthew McKaig/
DATE SIGNED:	09/02/2020

Total Attachments: 18

source=194041_ASG_2020-09-01_signed#page1.tif

PATENT REEL: 053671 FRAME: 0295

506233290



WHEREAS, WE,

- 1. Ting KONG, having a mailing address located at 5775 Morehouse Drive, San Diego, California 92121-1714,
- 2. Yongle WU, having a mailing address located at 5775 Morehouse Drive, San Diego, California 92121-1714,
- 3. **Jafar MOHSENI,** having a mailing address located at 5775 Morehouse Drive, San Diego, California 92121-1714,
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- 5. Raghu Narayan CHALLA, having a mailing address located at 5775 Morehouse Drive, San Diego, California 92121-1714,
- 6. **Alexei Yurievitch GOROKHOV,** 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 SYNCHRONIZATION SIGNAL BLOCK (SSB) MEASUREMENTS BASED ON A MEASUREMENT CYCLE FREQUENCY (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). 16/692,554 filed November 22, 2019, Qualcomm Reference Number 194041, and all provisional applications relating thereto, together with U.S. Provisional Application No(s). (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

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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;

Done at _	Sin Nego, CA City, State	_, on	02/21/2010 Date	Ting KONG
Done at _	City, State	_, on	Date	Yongle WU
Done at _.	City, State	_, on	Date	Jafar MOHSENI
Done at	City, State	_, on	Date	Paolo Minero
Done at	City, State	_, on	Date	Raghu Narayan CHALLA
Done at _	City, State	_, on	Date	Alexei Yurievitch GOROKHOV

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Done at <u>S</u>	City, State	Date	A Angle WU
Done at	, on		
	City, State	Date	Jafar MOHSENI
Done at	, on		
	City, State	Date	Paolo Minero
Done at	, on		
	City, State	Date	Raghu Narayan CHALL/
Done at	, on		
	, on	Date	Alexei Yurievitch GOROKHOV

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Done at	, on		
	City, State	Date	Ting KONG
Done at	, on		
	City, State	Date	Yongle WU
Done at	sandiego,	2/3/2020	milyen
annor Long The Asse	City, State	Date	Jafar MOHSENI
Done at	, on		
	City, State	Date	Paolo Minero
Done at	, on		
	City, State	Date	Raghu Narayan CHALL.
Done at	, on		
	City, State	Date	Alexei Yurievitch GOROKHOV

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PATENT Qualcomm Reference Number: 194041

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		
	City, State		Date	Ting KONG
Done at	City, State	_, on		W X. WEFF
	City, State		Date	Yongle WU
Done at	City, State	, on		A O MACATATIVATE
	City, State		Date	Jafar MOHSENI
Done at S	AN DIE 60 City, State	_, on <u>712</u>	11200 o Date	Roll Minero
••••	City, State		Date	Raghu Narayan CHALLA
Done at _		, on	***************************************	
	City, State		Date	Alexei Yurievitch GOROKHOV

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Done at		s on	Date	
	City, State		Date	Paolo Minero
Done at	10000	, on		CAGC.
	City, State		Date	Ragbu Narayan CHALLA
Done at				
	City, State		Date	Alexei Yurievitch GOROKHOV

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

Done at		on	
•	City, State	onDate	Ting KONG
Done at		on	
	City, State	OnDate	Yongle WU
Done at		On	
	City, State	OnDate	Jafar MOHSENI
Done at	•	on	
	City, State	Date	Paolo Minero
Done at		on	
	City, State	Date	Ragbu Narayan CHALLA
Done at⊆	a Deca CA	on 02/04/2020	- 4 G0004.Q
	City, State	Date	Alexei Yurievitch GOROKHOV

PATENT REEL: 053671 FRAME: 0314

RECORDED: 09/02/2020