# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5467099

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
HELENA DEIRDRE O'SHEA	04/02/2019
LALAN JEE MISHRA	04/01/2019
AMIT GIL	03/28/2019
GARY CHANG	03/27/2019
MOHIT KISHORE PRASAD	04/05/2019
RICHARD DOMINIC WIETFELDT	04/01/2019
VINAY JAIN	04/03/2019

#### **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:	16219698		

### **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:** qualcomm-pto@lozaip.com

Correspondent Name: LOZA & LOZA LLP

Address Line 1: 305 NORTH SECOND AVENUE #127

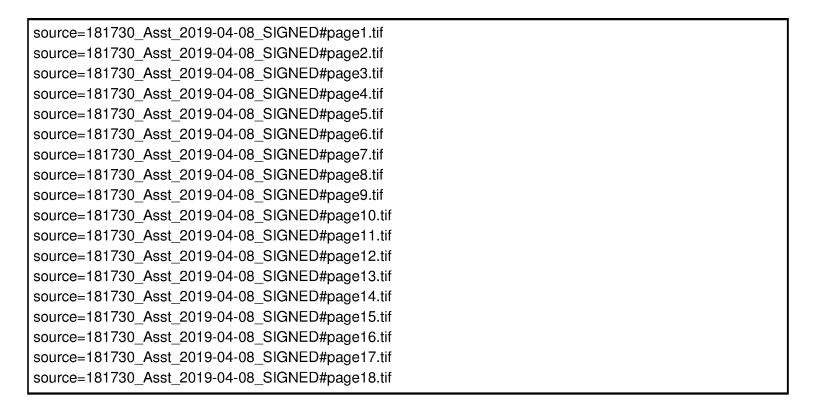
Address Line 4: UPLAND, CALIFORNIA 91786

NAME OF OURMITTER.	
NAME OF SUBMITTER: JULI	O LOZA
SIGNATURE: /Julio	o Loza/
DATE SIGNED: 04/1	0/2019

**Total Attachments: 18** 

PATENT REEL: 048845 FRAME: 0658

505420308



WHEREAS, WE,

- 1. Helena Deirdre O'SHEA, having a mailing address located at 5775 Morehouse Drive San Diego, CA 92121-1714,
- 2. Lalan Jee MISHRA, having a mailing address located at 5775 Morehouse Drive San Diego, CA 92121-1714,
- 3. Amit GIL, having a mailing address located at 5775 Morehouse Drive San Diego, CA 92121-1714,
- 4. Gary CHANG, having a mailing address located at 5775 Morehouse Drive San Diego, CA 92121-1714,
- 5. **Mohit Kishore PRASAD**, having a mailing address located at **5775 Morehouse Drive San Diego**, **CA 92121-1714**,
- 6. **Richard Dominic WIETFELDT,** having a mailing address located at **5775 Morehouse Drive San Diego, CA 92121-1714,**
- 7. Vinay JAIN, having a mailing address located at 5775 Morehouse Drive San Diego, CA 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 **EFFICIENT TECHNIQUE FOR COMMUNICATING BETWEEN DEVICES OVER A MULTI-DROP BUS** (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. 16/219,698 filed December 13, 2018,

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 _	Cupertino	on	April 2, 2019	Bhe
	LOCATION		DATE	Helena Deirdre O'SHEA
Done at _	***************************************	_, on _	DATE	
	LOCATION		DATE	Lalan Jee MISHRA
Done at		on		
Done at	LOCATION	011 ,	DATE	Amit GIL
Done at _	LOCATION	_, on _	DATE	
	LOCATION		DATE	Gary CHANG
Done at		• on	DATE	
	LOCATION	, ~~~	DATE	Mohit Kishore PRASAD
Done at	LOCATION	_, on _	DATE	
	LOCATION		DAIE	Richard Dominic WIETFELDT
Done at		_, on _		
	LOCATION		DATE	Vinay JAIN

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LOCATION	on	***************************************
	DATE	Helena Deirdre O'SHEA
LOCATION	on	Lalan Jee MISHRA
LOCATION	on	Amit GIL
LOCATION ,	on	Gary CHANG
LOCATION	on	Mohit Kishore PRASAD
LOCATION	on <u>\\(\lambda\) (\lambda\)</u> DATE	Richard Down Wiet Flitt
LOCATION	on	Vinay JAIN
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Done at _		, on	
	LOCATION	DATE	Helena Deirdre O'SHEA
Done at _	LOCATION	, on	Lalan Jee MISHRA
			Amit GIL
Done at	LOCATION	on	Gary CHANG
Done at _	LOCATION	onDATE	Mohit Kishore PRASAD
Done at	LOCATION	on	Richard Dominic WIETFELDT
Done at		on	
	LOCATION	DATE	Vinay JAIN

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Done atLOCATION	DATE	Helena Deirdre O'SHEA
Done atLOCATION	, on	
LOCATION	DATE	Lalan Jee MISHRA
Done at	, on DATE	
LOCATION	DATE	Amit GIL
Done at <u>Santa Clava</u>	_, on3/27/19	
LOCATION	DATE	Gary CHANG
Done at	on	
Done atLOCATION	DATE	Mohit Kishore PRASAD
Done atLOCATION	_, on	
LOCATION	DATE	Richard Dominic WIETFELDT
Done at	. on	
Done atLOCATION	DATE	Vinav IAIN

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	LOCATION	DATE	Helena Deirdre O'SHEA
Done at		• on	
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Done at		, on	
	LOCATION	DATE	Amit GIL
Done at	LOCATION	, on	Gary CHANG
		on <u>4/5/19</u> DATE	
Done at	LOCATION	onDATE	Richard Dominic WIETFELDT
Done at		on	
٠	LOCATION	DATE	Vinay JAIN

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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	. on		
LOC	ATION	DATE	Helena Deirdre O'SHEA
Done at	, on		
LOCA	ATION	DATE	Lalan Jee MISHRA
Done atLOC/	, on		
LQC/	VIION	DATE	Amit GIL
Done at	on_		Gary CHANG
LOCA	ATION	DATE	Gary CHANG
Done atLOCA	, on		
LOCA	TION	DATE	Mohit Kishore PRASAD
Done at		DATE	
Done at <u>beng a.</u> LOCA	Luce, India A	pril 31 2019	Vinay JAIN
LOCA	TION	DATE	Vinay JAIN

PATENT REEL: 048845 FRAME: 0677

**RECORDED: 04/10/2019**