PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4993890

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT		

CONVEYING PARTY DATA

Name	Execution Date
MARIO FRANCISCO VELEZ	05/25/2018
NIRANJAN SUNIL MUDAKATTE	11/28/2017
JONGHAE KIM	11/18/2017
CHANGHAN HOBIE YUN	11/15/2017
DAVID FRANCIS BERDY	12/21/2017
SHIQUN GU	11/20/2017
CHENGJIE ZUO	05/05/2018

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:	15705035		

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

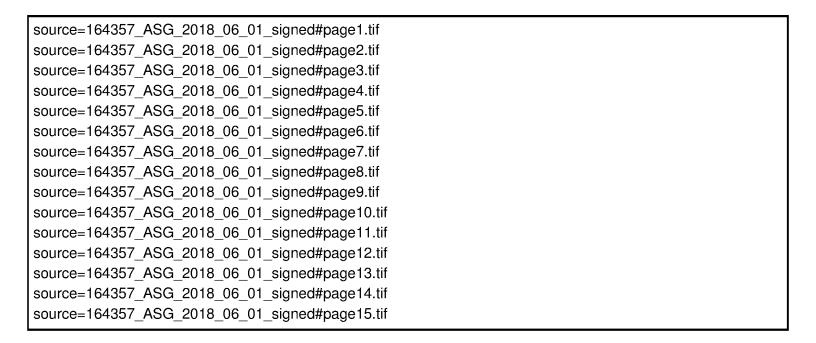
Address Line 4: UPLAND, CALIFORNIA 91786

ATTORNEY DOCKET NUMBER:	QCOM-3562US (164357)		
NAME OF SUBMITTER:	JULIO LOZA		
SIGNATURE:	/Julio Loza/		
DATE SIGNED:	06/06/2018		

Total Attachments: 15

PATENT REEL: 046003 FRAME: 0186

504947143



WHEREAS, WE,

- 1. Mario Francisco VELEZ, a citizen of the United States of America, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of San Diego, California, 13767 Kerry Lane, San Diego, CA, 92130 MiV.
- 2. Niranjan Sunil MUDAKATTE, a citizen of India, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of San Diego, California,
- 3. Jonghae KIM, a citizen of the United States of America, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of San Diego, California.
- 4. Changhan Hobie YUN, a citizen of the United States of America, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of San Diego, California.
- 5. David Francis BERDY, a citizen of the United States of America, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of San Diego, California,
- 6. Shiqun GU, a citizen of the United States of America, having a mailing address located at 5318 Foxhound way, San Diego, CA 92130 and a resident of San Diego, California,
- 7. Chengjie ZUO, a citizen of the People's Republic of China, having a mailing address located at 16535 Newcomb St., San Diego, CA 92127 and a resident of San Diego, California,

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 INTEGRATED DEVICE COMPRISING A CAPACITOR AND INDUCTOR STRUCTURE COMPRISING A SHARED INTERCONNECT FOR A CAPACITOR AND AN INDUCTOR (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

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	Ry Degs	k , on <u>5/</u>	25/2018		
	LOCATION		DATE	Mario Francisco VELEZ	
Done at	LOCATION	, on	DATE	Niranjan Sunii MUDAKATTE	-
Done at	LOCATION	, on	DATE	Jonghae KIM	_
Done at _	LOCATION	, on	DATE	Changhan Hobie YUN	_
Done at _	LOCATION	, on	DATE	David Francis BERDY	_
Done at _	LOCATION	on	DATE	Shiqun GU	_
Done at _	LOCATION	., on	DATE	Chengjie ZUO	_

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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:

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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 LOCATION On DATE	Mario Francisco VELEZ
Done at SAN DIRENT, on 11 23 LOCATION DATE	
Done at Sever Mery, on 11/15 LOCATION DATE	Jonghae KIM
Done at Son Villa (A, on DATE	Changhan Hobie YUN
Done at, on LOCATION DATE	David Francis BERDY
Done at, on	Shiqun GU
Done at, on	Chengiie ZUO

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Done at	, on		
· · · _ ·	LOCATION	DATE	Mario Francisco VELEZ
Done at	, on		
•	LOCATION , on _	DATE	Niranjan Sunii MUDAKATTE
Done at _	, on		Jonghae KIM
	LOCATION	DATE	Jonghae KIM
Done at _	, on		OL AND MITTER
			Changhan Hobie YUN
Done at _	<u> </u>	2/21/17	David Francis BERDY
	LOCATION	DATE	David Francis BERDY
Done at _	LOCATION on		
	LOCATION	DATE	Shiqun GU
Done at	LOCATION		
	LOCATION	DATE	Chengjie ZUO

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Done at		, on	DATE	
_	LOCATION		DATE	Mario Francisco VELEZ
Done at _		_, on _	DATE	
	LOCATION		DATE	Niranjan Sunil MUDAKATTE
Done at		_, on _		Jonghae KIM
	LOCATION		DATE	Jonghae KIM
Done at _		_, on _	DATE	
	LOCATION		DATE	Changhan Hobie YUN
Done at _		_, on _	DATE	
				David Francis BERDY
Done at	San Diego	_, on _	11/20/2017	Shioun GU
	LOCATION		DATE	Shiqun GU
Done at		_, on _	DATE	
	LOCATION		DATE	Chengjie ZUO

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PATENT
QUALCOMM Ref. No. 164357
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		
	LOCATION	-	DATE	Mario Francisco VELEZ
Done at _	LOCATION	, on		
	LOCATION		DATE	Niranjan Sunil MUDAKATTE
Done at _	LOCATION	on		
	LOCATION		DATE	Jonghae KIM
Done at _	LOCATION	, on		
	LOCATION		DATE	Changhan Hobie YUN
Done at	LOCATION	, on		
	LOCATION		DATE	David Francis BERDY
Done at _	LOCATION	, on		Cht. CV
	LOCATION		DATE	Shiqun GU
Done at	a Dego	, on	5/5/8	Chengjie ZUO
	LOCATION		DATÈ	Chengjie ZUO

PATENT REEL: 046003 FRAME: 0202

RECORDED: 06/06/2018