PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4532055

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
JINGXUE LU	06/06/2017
VIJAYAKUMAR DHANASEKARAN	07/17/2017
MEYSAM AZIN	07/19/2017
ARASH MASHAYEKHI	07/31/2017
KSHITIJ YADAV	06/07/2017

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	15613871		

CORRESPONDENCE DATA

Fax Number: (978)969-3180

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: 6178305440

Email: HCDocketing@hunter-clark.com

Correspondent Name: HUNTER CLARK PLLC
Address Line 1: 900 CUMMINGS CENTER

Address Line 2: SUITE 213-T

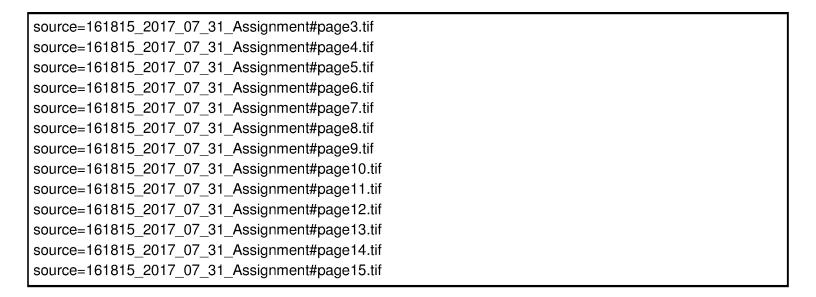
Address Line 4: BEVERLY, MASSACHUSETTS 01915

NAME OF SUBMITTER:	T.J. CLARK
SIGNATURE:	/T.J. Clark/
DATE SIGNED:	08/02/2017

Total Attachments: 15

source=161815_2017_07_31_Assignment#page1.tif source=161815_2017_07_31_Assignment#page2.tif

PATENT 504485353 REEL: 043171 FRAME: 0407



WHEREAS, WE,

- 1. **Jingxue LU**, a citizen of China P.R., having a mailing address located at 5775 Morehouse Drive. San Diego, California 92121-1714 and a resident of San Diego, CA,
- 2. Vijayakumar DHANASEKARAN, a citizen of India, having a mailing address located at 5775 Morehouse Drive, San Diego, California 92121-1714 and a resident of San Diego, CA,
- 3. Meysam AZIN, a citizen of United States of America, having a mailing address located at 5775 Morehouse Drive, San Diego, California 92121-1714 and a resident of San Diego, CA,
- 4. Arash MASHAYEKHI, a citizen of United States of America, having a mailing address located at 5775 Morehouse Drive, San Diego, California 92121-1714 and a resident of San Diego, CA,
- 5. **Kshitij YADAV**, a citizen of India, having a mailing address located at 5775 Morehouse Drive, San Diego, California 92121-1714 and a resident of San Diego, CΛ,

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 CANCELATION OF INDUCED GROUND NOISE IN A HEADPHONE OUTPUT (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). 15/613,871 filed June 5, 2017, Qualcomm Reference No. 161815, 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 hereafter thereon and all

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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;

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

Done at _	an Diego	_, on _	6/6/2017 DATE	Jingxhe Ly
	LOCATION		' DATE	Jingxae LU
Done at _	LOCATION	_, on _	DATE	Vijayakumar DHANASEKARAN
Done at _	LOCATION	_, on _	DATE	Meysam AZIN
Done at _	LOCATION	, on _	DATE	Arash MASHAYEKHI
Done at _	LOCATION	, on _	DATE	Kshitij YADAV

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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.

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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;

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	Jingxue LU
Done at _	SANDLEÃO, CA LOCATION	on 64 17 /2 437 DATE	Vijayakumar DHANASEKARAN
Done at _	LOCATION	on	Meysam AZIN
Done at _	LOCATION	_, on DATE	Arash MASHAYEKHI
Done at _	LOCATION	_, on	Kshitij YADAV

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PATENT

QUALCOMM Ref. No. 161815

Page 3 of 3

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	LOCATION	DATE	Jingxue LU
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	LOCATION	DATE	Vijayakumar DHANASEKARAN
Done at 📆	LOCATION On	07/11/2017 DATE	Meysam AZIN
Done at _	LOCATION , on	DATE	Arash MASHAYEKHI
Done at _	, on _	DATE	Kshitij YADAV

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_	LOCATION	DATE	Jingxue LU
Done at _	LOCATION .	on	William Server on Edita with a Cidata a do a day
	LOCATION .	DAIE	Vijayakumar DHANASEKARAN
Done at _			
	LOCATION	DATE	Meysam AZIN
Done at ≤	opidai.	on 7/31/17	AA
	LOCATION)	on <u>7/31/17</u> DATE	Arash MASHAYEKHI
Done at _	, (XX N LOST WAY WAY
	LOCATION	DATE	Kshitii YADAV

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PATENT QUALCOMM Ref. No. 161815 Page 3 of 3

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Done at	LOCATION , 0	n	
	LOCATION	DATE	Jingxue LU
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	LOCATION	DATE	Vijayakumar DHANASEKARAN
Done at _	LOCATION , o	n	
	LOCATION	DATE	Meysam AZIN
Done at	, O	n	
	LOCATION , o	DATE	Arash MASHAYEKHI
Done at	Son lieso, o	n 6/7/17	Kshitij YADAV
	LOCATION	DATE	Kshitii YADAV

PATENT REEL: 043171 FRAME: 0423

RECORDED: 08/02/2017