503507682 10/02/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3554308

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT		

CONVEYING PARTY DATA

Name	Execution Date
ASIF IQBAL MOHAMMAD	08/26/2015
ERIK VISSER	08/26/2015
LAE-HOON KIM	08/28/2015
SHAUN WILLIAM VAN DYKEN	09/22/2015
TROY SCHULTZ	09/24/2015
SAMIR KUMAR GUPTA	09/23/2015

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:	14808967	

CORRESPONDENCE DATA

Fax Number: (512)327-5575

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: 512-327-5515

Email:dwade@tlgiplaw.comCorrespondent Name:TOLER LAW GROUPAddress Line 1:8500 BLUFFSTONE COVE

Address Line 2: SUITE A201

Address Line 4: AUSTIN, TEXAS 78759

ATTORNEY DOCKET NUMBER:	150704
NAME OF SUBMITTER:	DAVID WADE
SIGNATURE:	/David Wade/
DATE SIGNED:	10/02/2015

PATENT 503507682 REEL: 036718 FRAME: 0221

Total Attachments: 8 source=150704_Assignment_signed#page1.tif source=150704_Assignment_signed#page2.tif source=150704_Assignment_signed#page3.tif source=150704_Assignment_signed#page4.tif source=150704_Assignment_signed#page5.tif source=150704_Assignment_signed#page6.tif source=150704_Assignment_signed#page7.tif source=150704_Assignment_signed#page8.tif

ASSIGNMENT

WHEREAS, WE,

- 1. Asif Iqbal MOHAMMAD, a citizen of the United States of America, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121-1714 and a resident of San Diego, CA,
- 2. Erik VISSER, a citizen of Luxembourg, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121-1714 and a resident of San Diego, CA,
- 3. Lae-Hoon KIM, a citizen of Korea, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121-1714 and a resident of San Diego, CA,
- 4. Shaun William VAN DYKEN, a citizen of the United States of America, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121-1714 and a resident of San Diego, CA,
- 5. Troy SCHULTZ, a citizen of the United States of America, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121-1714 and a resident of San Diego, CA,
- 6. Samir Kumar GUPTA, a citizen of the United States of America, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121-1714 and a resident of San Diego, CA,

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 **ENHANCED AUDITORY EXPERIENCE IN SHARED ACOUSTIC SPACE** (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). 14/808,967 filed July 24, 2015, Qualcomm Reference No. 150704, and all provisional applications relating thereto, together with U.S. Provisional Application No(s). 62/091,391, filed December 12, 2014, Qualcomm Reference No. 150704P1, (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 reissues, renewals, reexaminations, and extensions to any of the foregoing and all patents issuing thereon in the United States;

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 Show DUEGO	on OS 126 15	ANI
LOCATION	DATE	Asif Iqbal MOHAMMAD
Done at	, on	
LOCATION	DATE	Erik VISSER
Done at	, on	Lae-Hoon KIM
LOCATION	DATE	Lac-Hoon Kivi
Done at	, on	
LOCATION	DATE	Shaun William VAN DYKEN
Done at	, on	
LOCATION	DATE	Troy SCHULTZ
Done at	, on	Samir Kumar GUPTA
LOCATION	DATE	Samir Kumar GUPTA

Done at		, on	
	LOCATION	on	Asif Iqbal MOHAMMAD
Done at _	SAN DIECO LOCATION	_, on <u>8/20/30-5</u> DATE	Frik VISSER
Done at _	LOCATION	_, on DATE	Lae-Hoon KIM
Done at _	LOCATION	on	Shaun William VAN DYKEN
Done at _	LOCATION	_, on DATE	Troy SCHULTZ
Done at_	LOCATION	_, on DATE	Samir Kumar GUPTA

whatsoever conflicting with these presents. Done at San Diego, CA, on 8/28/2015

LOCATION DATE

AND WE HEREBY covenant that WE will not execute any writing or do any act

PATENT REEL: 036718 FRAME: 0227

Samir Kumar GUPTA

Done at		• on		
	LOCATION	DA	ГЕ	Asif Iqbal MOHAMMAD
Done at_	LOCATION	• on		Erik VISSER
	LOCATION	DA	ie.	DIR VISSER
Done at _	LOCATION	, on	TE	Lae-Hoon KIM
Done at	San Diego LOCATION	on <u>9/23</u> , DA	/15 TE	Shaw William Van Dyd Shaun William VAN DYKEN
Done at _	LOCATION	_, on	TE	Troy SCHULTZ
Done at _	LOCATION	, on	ATE	Samir Kumar GUPTA

	ND WE HERE er conflicting w			will not execute any writing or do any act
Done at	LOCATION	_, on	DATE	Asif Iqbal MOHAMMAD
Done at _	LOCATION	, on	DATE	Erik VISSER
Done at _	LOCATION	, on	DATE	Lae-Hoon KIM
Done at _	LOCATION	, on	DATE	Shaun William VAN DYKEN
Sone at $\underline{\underline{S}}$	775 Marchan 6-10:790, CA LOCATION	ve ()v _, on <u>27</u>	Sept 2015 DATE	Strey College Schuller
Done at _	LOCATION	, on	DATE	Samir Kumar GUPTA

Done at		, on	
	LOCATION	DATE	Asif Iqbal MOHAMMAD
Done at		, on	
	LOCATION	DATE	Erik VISSER
Done at _		, on	Lae-Hoon KIM
		, on	Troy SCHULTZ
Done at _	Jan Diego	on $\frac{9/23/15}{\text{DATE}}$	- CANDON CANDON
	LOCATION	' DATE	Samir Kumar GUPTA

PATENT REEL: 036718 FRAME: 0230

RECORDED: 10/02/2015