## 503269846 04/17/2015

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3316464

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
ANDRE GUSTAVO SCHEVCIW	04/04/2015
BABAK FORUTANPOUR	03/31/2015
ASIF IQBAL MOHAMMAD	03/30/2015
LAE-HOON KIM	03/30/2015

### **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:	14690059

### **CORRESPONDENCE DATA**

**Fax Number:** (651)735-1102

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:** 651 735 1100

Email: pairdocketing@ssiplaw.com

Correspondent Name: SHUMAKER & SIEFFERT, P. A.

Address Line 1: 1625 RADIO DRIVE, SUITE 300

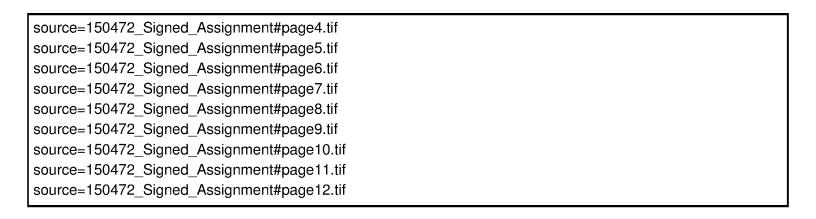
Address Line 4: WOODBURY, MINNESOTA 55125

ATTORNEY DOCKET NUMBER:	1414-076US01/150472	
NAME OF SUBMITTER:	PATRICIA CYGAN	
SIGNATURE:	/Patricia Cygan/	
DATE SIGNED:	04/17/2015	

## **Total Attachments: 12**

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PATENT 503269846 REEL: 035439 FRAME: 0157



WHEREAS, WE,

- 1. Andre Gustavo Schevciw, a citizen of Brazil, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of the San Diego, CA,
- 2. **Babak Forutanpour**, a citizen of the **United States of America**, having a mailing address located at **3247 Sitio Tortuga**, **Carlsbad**, **CA 92009** and a resident of **Carlsbad**, **CA**,
- 3. Asif Iqbal Mohammad, a citizen of United States of America, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of San Diego, CA,
- 4. Lae-Hoon Kim, a citizen of Korea, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 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 **CALIBRATION OF ACOUSTIC ECHO CANCELATION FOR MULTI-CHANNEL SOUND IN DYNAMIC ACOUSTIC ENVIRONMENTS** (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). 

14/690,059 filed April 17, 2015 Qualcomm Reference No. 150472, 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 reissues, renewals, reexaminations, and extensions to any of the foregoing and all patents issuing thereon in the United States;

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;

PATENT
QUALCOMM Ref. No. 150472
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 S	SAN DEGLE	, on	74/74/2015	
	LOCATION	<del> </del>	DATE	Andre Gustavo P. Schevciw
Done at		_, on		
	LOCATION		DATE	Babak Forutanpour
Done at		on		
	LOCATION	_> =10,	DATE	Asif Iqbal Mohammad
Done at _		on_		
	LOCATION		DATE	Lac-Hoon Kim

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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;

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Done at	, on		
	LOCATION	DATE	Andre Gustavo P. Schevciw
Done at <u>〔</u>	SAN DIECÇon	<b>3</b> /3//2015	F.A.
	LOCATION	DATE	Babak Forutanpour
Done at _	LOCATION , on	DATE	Asii Iqhai Mohammad
			•
Done at _	, on		
	LOCATION	DATE	Lae-Hoon Kim

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Done at	, on	
LOCATION	DATE	Andre Gustavo P. Schevciw
Done at	, on	
LOCATION	DATE	Babak Forutanpour
Done at GAR OIG 66	_, on 03/30/15	AND
LOCATION	DATE	Asif Iqbal Mohammad
Done at	, on	
LOCATION	DATE	Lae-Hoon Kim

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14/690,059 filed April 17, 20,15 [April 17, 20,15] [April 17,

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PATENT QUALCOMM Ref. No. 150472 Page 3 of 3

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Done at		, on		
· -	LOCATION		DATE	Andre Gustavo P. Schevciw
Done at		, óñ		
	LOCATION		DATE	Babak Forutanpour
Done at _		, on		
	LOCATION		DATE	Asif Iqbal Mohammad
Diana at S	On Diean C	A 07	120/2015	
Done at 🛎	ion Diego, C LOCATION	<u>m</u> , ur	53 72 0 2 700 0 0 0 0	K or Thom Kilm
	LOCATION		DATE	Lac-Hoon Kim

PATENT REEL: 035439 FRAME: 0170

**RECORDED: 04/17/2015**