# PATENT ASSIGNMENT COVER SHEET

EPAS ID: PAT4894569

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
RADU PITIGOI-ARON	04/29/2015
RICHARD DOMINIC WIETFELDT	04/28/2015
DOUGLAS WAYNE HOFFMAN	05/06/2015

#### **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:	15942385

## **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:	144500C1C1C1
NAME OF SUBMITTER:	JULIO LOZA
SIGNATURE:	/Julio Loza/
DATE SIGNED:	04/02/2018

#### **Total Attachments: 10**

source=144500C1C1\_Corrective\_Assignment\_as\_filed\_2-26-18.pdf\_19569950\_1#page1.tif source=144500C1C1\_Corrective\_Assignment\_as\_filed\_2-26-18.pdf\_19569950\_1#page2.tif source=144500C1C1\_Corrective\_Assignment\_as\_filed\_2-26-18.pdf\_19569950\_1#page3.tif source=144500C1C1\_Corrective\_Assignment\_as\_filed\_2-26-18.pdf\_19569950\_1#page4.tif source=144500C1C1\_Corrective\_Assignment\_as\_filed\_2-26-18.pdf\_19569950\_1#page5.tif

PATENT 504847832 REEL: 045408 FRAME: 0441

source=144500C1C1\_Corrective\_Assignment\_as\_filed\_2-26-18.pdf\_19569950\_1#page6.tif
source=144500C1C1\_Corrective\_Assignment\_as\_filed\_2-26-18.pdf\_19569950\_1#page7.tif
source=144500C1C1\_Corrective\_Assignment\_as\_filed\_2-26-18.pdf\_19569950\_1#page8.tif
source=144500C1C1\_Corrective\_Assignment\_as\_filed\_2-26-18.pdf\_19569950\_1#page9.tif
source=144500C1C1\_Corrective\_Assignment\_as\_filed\_2-26-18.pdf\_19569950\_1#page10.tif

#### **ASSIGNMENT**

WHEREAS, WE,

- 1. **Radu Pitigoi-Aron**, a citizen of the United States, having a mailing address located at 5775 Morehouse Drive San Diego, CA 92121-1714 and a resident of San Jose, California,
- 2. **Richard Dominic Wietfeldt,** a citizen of the United States, having a mailing address located at 5775 Morehouse Drive San Diego, CA 92121-1714 and a resident of San Diego, California.
- 3. **Douglas Wayne Hoffman**, a citizen of the United States, having a mailing address located at 5775 Morehouse Drive San Diego, CA 92121-1714 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 SENSORS GLOBAL 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. 14/694,618 filed April 23, 2015, Qualcomm Reference No. 144500, and all provisional applications relating thereto, together with U.S. Provisional Application No. 61/985,276, filed April 28, 2014, Qualcomm Reference No. 144500P1, (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;

PATENT
QUALCOMM Ref. No. 144500
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	HATA CHRA LOCATION	$\frac{4/29/2}{\text{DATE}}$	2015 B	Radu Pitigoi-Aron
Done at _	LOCATION	, on	 E	Richard Dominic Wietfeldt
Done at _	LOCATION	, on		Douglas Wayne Hoffman

#### **ASSIGNMENT**

WHEREAS, WE,

- 1. **Radu Pitigoi-Aron**, a citizen of the United States, having a mailing address located at 5775 Morehouse Drive San Diego, CA 92121-1714 and a resident of San Jose, California,
- 2. **Richard Dominic Wietfeldt,** a citizen of the United States, having a mailing address located at 5775 Morehouse Drive San Diego, CA 92121-1714 and a resident of San Diego, California.
- 3. **Douglas Wayne Hoffman**, a citizen of the United States, having a mailing address located at 5775 Morehouse Drive San Diego, CA 92121-1714 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 SENSORS GLOBAL 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. 14/694,618 filed April 23, 2015, Qualcomm Reference No. 144500, and all provisional applications relating thereto, together with U.S. Provisional Application No. 61/985,276, filed April 28, 2014, Qualcomm Reference No. 144500P1, (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;

# PATENT QUALCOMM Ref. No. 144500 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			
	LOCATION	DATE	Radu Pitigoi-Aron
Done at	<u>San Dirego LA</u> , on LOCATION	4/28/15	Lidrad Dominie Withlet
	LOCATION	DATE	Richard Dominic Wietfeldt
Done at _	, on	i	
	LOCATION	DATE	Douglas Wayne Hoffman

### ASSIGNMENT

## WHEREAS, WE,

- 1. **Radu Pitigoi-Aron**, a citizen of the United States, having a mailing address located at 5775 Morehouse Drive San Diego, CA 92121-1714 and a resident of San Jose, California,
- 2. Richard Dominic Wietfeldt, a citizen of the United States, having a mailing address located at 5775 Morehouse Drive San Diego, CA 92121-1714 and a resident of San Diego, California,
- 3. **Douglas Wayne Hoffman**, a citizen of the United States, having a mailing address located at 5775 Morehouse Drive San Diego, CA 92121-1714 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 SENSORS GLOBAL 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. 14/694,618 filed April 23, 2015, Qualcomm Reference No. 144500, and all provisional applications relating thereto, together with U.S. Provisional Application No. 61/985,276, filed April 28, 2014, Qualcomm Reference No. 144500P1, (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;

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	, Or	k	
LOCA	TION	DATE	Radu Pitigoi-Aron
Done at	, or	<u> </u>	
LOCA	TION	DATE	Richard Dominic Wietfeldt
Done at Sac O	1860, or	5 6 (5	
LOCA	TION	DATE	Donolas Wayne Hoffman



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

FEBRUARY 14, 2018

PTAS

LOZA & LOZA LLP 305 NORTH SECOND AVENUE #127 UPLAND, CA 91786

504776680

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT RECORDATION BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE ASSIGNMENT RECORDATION BRANCH AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT RECORDATION BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 02/13/2018 REEL/FRAME: 044918/0418

NUMBER OF PAGES: 11

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: QCOM-2576C1C1 (144500C1C1

ASSIGNOR:

PITIGOI-ARON, RADU DOC DATE: 04/29/2015

ASSIGNOR:

WIETFELDTWIE, RICHARD DOMINIC DOC DATE: 04/28/2015

ASSIGNOR:

HOFFMAN, DOUGLAS DOC DATE: 05/06/2015

ASSIGNEE:

QUALCOMM INCORPORATED 5775 MOREHOUSE DRIVE

SAN DIEGO, CALIFORNIA 92121-1714

APPLICATION NUMBER: 15895856 FILING DATE: PATENT NUMBER: ISSUE DATE:

TITLE: SENSORS GLOBAL BUS

ASSIGNMENT RECORDATION BRANCH PUBLIC RECORDS DIVISION

> **PATENT** P.O. Box 1450, Alexandria, Virginia 22313-1450 - WWW.USPTO.GOV

REEL: 045408 FRAME: 0452 RECORDED: 04/02/2018