# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4035647

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
PIERO ZAPPI	09/01/2016
ASHWIN SWAMINATHAN	08/16/2016
SANTIAGO MAZUELAS	05/20/2016
ROY FRANKLIN QUICK JR.	05/24/2016

### **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:	15151348

### CORRESPONDENCE DATA

**Fax Number:** (408)378-7770

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:** 408-378-7777

**Email:** patentadmin@svpatentgroup.com

Correspondent Name: SILICON VALLEY PATENT GROUP LLP

Address Line 1: 4010 MOORPARK AVE

Address Line 2: SUITE 210

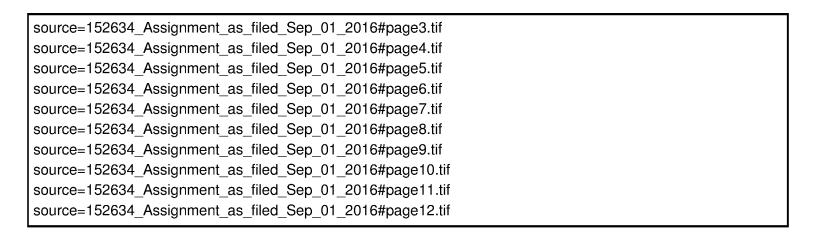
Address Line 4: SAN JOSE, CALIFORNIA 95117

ATTORNEY DOCKET NUMBER: Q152634USOS	
NAME OF SUBMITTER:	OMKAR K. SURYADEVARA
SIGNATURE:	/Omkar K. Suryadevara/
DATE SIGNED:	09/01/2016

**Total Attachments: 12** 

source=152634\_Assignment\_as\_filed\_Sep\_01\_2016#page1.tif source=152634\_Assignment\_as\_filed\_Sep\_01\_2016#page2.tif

PATENT 503988990 REEL: 039618 FRAME: 0810



# WHEREAS, WE,

- 1. Piero Zappi, a citizen of the Italian Republic, having a mailing address located at 5775 Morehouse Drive, San Diego, California, 92121, and a resident of San Diego, California.
- 2. Ashwin Swaminathan, a citizen of the Republic of India, having a mailing address located at 5775 Morehouse Drive, San Diego, California, 92121, and a resident of Santa Clara, California,
- 3. Santiago Mazuelas, a citizen of the Kingdom of Spain, having a mailing address located at 5775 Morehouse Drive, San Diego, California, 92121, and a resident of San Diego, California,
- 4. Roy Franklin Quick, Jr., a citizen of the United States of America, having a mailing address located at 5775 Morehouse Drive, San Diego, California, 92121, 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 **POWER DELAY PROFILE BASED INDOOR OUTDOOR DETECTION** (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). 15/151,348 filed May 10, 2016, Qualcomm Reference No. 152634, and all provisional applications relating thereto, together with U.S. Provisional Application No(s). 62/160,487, filed May 12, 2015, Qualcomm Reference No. 152634P1, (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 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;

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

PATENT QUALCOMM Ref. No. 152634 Page 3 of 3

Done at	SAN DIEGO	, on <u>09/01/2016</u>	Alexa Lag	
	LOCATION	DATE	Piero Zappi	·
Done at		, on		
	LOCATION	DATE	Ashwin Swamina	than
Done at	LOCATION	, on		
	LOCATION	DATE	Santiago Mazue	elas
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ar inter- e Helserkin se				
Done at_	i di	, on		
	LOCATION	DATE	Roy Franklin Quic	k, Jr.

# WHEREAS, WE,

- 1. Piero Zappi, a citizen of the Italian Republic, having a mailing address located at 5775 Morehouse Drive, San Diego, California, 92121, and a resident of San Diego, California,
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- 4. Roy Franklin Quick, Jr., a citizen of the United States of America, having a mailing address located at 5775 Morehouse Drive, San Diego, California, 92121, 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 **POWER DELAY PROFILE BASED INDOOR OUTDOOR DETECTION** (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.

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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;

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- Ashwin Swaminathan, a citizen of the Republic of India, having a mailing address located at 5775 Morehouse Drive, San Diego, California, 92121, and a resident of Santa Clara, California.
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- Roy Franklin Quick, Jr., a cifizen of the United States of America, having a mailing 4 address located at 5775 Morehouse Drive, San Diego, California, 92121, and a resident of San Diego, California.

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PATENT QUALCOMM BEE No. 152634 Page 3 of 3

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Done at_	LOCATION	n gate	Ashwin Swaminathan
Done at ,	Sugarion ,	m <u>OS/20/2</u> 016 date	Samilago Mazuelas
Done at	LOCATIONs	on	Roy Franklin Quick, Jr.

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## PATENT QUALCOMM Ref No. 152634 Page 3 of 3

Done at	, on		
******	LOCATION	DATE	Piero Zappi
Done at	LOCATION , O	nDATF	Ashwin Swaminathan
Done at	LOCATION , 0	nDATE	Santiago Mazuelas
Done at ∑	JANGERA, O	n <u>May 29, lo</u> 16 DATE	Roy Franklin Quick, Jr.

PATENT REEL: 039618 FRAME: 0823

**RECORDED: 09/01/2016**