505375483 03/14/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5422276

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SIMONE MERLIN	09/22/2014
GWENDOLYN DENISE BARRIAC	10/22/2014
HEMANTH SAMPATH	10/31/2014
SAMEER VERMANI	10/16/2014

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:	16251030

CORRESPONDENCE DATA

Fax Number: (669)272-0771

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: 669-272-0777

Email: uspto@paradiceli.com

Correspondent Name: PARADICE AND LI LLP/QUALCOMM
Address Line 1: 1999 S. BASCOM AVE., SUITE 300
Address Line 4: CAMPBELL, CALIFORNIA 95008

ATTORNEY DOCKET NUMBER:	QCA134714U1C1C1
NAME OF SUBMITTER:	CHRIS FITTING
SIGNATURE:	/Chris Fitting/
DATE SIGNED:	03/14/2019

Total Attachments: 12

source=QCA134714U1C1C1_Assignment_As_Filed_03-14-19#page1.tif source=QCA134714U1C1C1_Assignment_As_Filed_03-14-19#page2.tif source=QCA134714U1C1C1_Assignment_As_Filed_03-14-19#page3.tif

PATENT 505375483 REEL: 048601 FRAME: 0265



WHEREAS, WE,

- 1. Simone Merlin, a citizen of Italy, having a mailing address located at 5775 Morehouse Drive, San Diego, California 92121-1714 and a resident of Solana Beach, California,
- 2. Gwendolyn Denise Barriac, a citizen of the United States of America, having a mailing address located at 5775 Morehouse Drive, San Diego, California 92121-1714 and a resident of Encinitas, California,
- 3. Hemanth Sampath, a citizen of the United States of America, having a mailing address located at 5775 Morehouse Drive, San Diego, California 92121-1714 and a resident of San Diego, California,
- 4. Sameer Vermani, a citizen of India, having a mailing address located at 5775 Morehouse Drive, San Diego, California 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 METHODS AND APPARATUS FOR MULTIPLE USER UPLINK (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). 14/469175 filed August 26, 2014, Qualcomm Reference No. 134714U1, and all provisional applications relating thereto, together with U.S. Provisional Application No(s). 61/871269, filed August 28, 2013, Qualcomm Reference No. 134714P1, (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

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.

Done at	SAN DIEGO	on <u>\$(22/14</u> DATE	Somore Merke
•	LOCATION	DATE	Simone Merlin
Done at		on	
Dono at	LOCATION	DATE	Gwendolyn Denise Barriac
Debeser			
Done at	LOCATION	, on DATE	Hemanth Sampath
	DOCKRION		izonience Semporen
Done at		, on	
	LOCATION	DATE	Sameer Vermani
18731749 082514			

WHEREAS, WE,

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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;

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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	Simone Merlin
Done at _	LOCATION	on <u>Od 22</u> 10	Gwendolyn Denise Barriae
Done at _	LOCATION	_, on	Hemanth Sampath
Done at_	LOCATION	on	Sameer Vermani

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WHEREAS, WE,

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Done at	, , , , ,	on	
:	LOCATION	DATE	Simone Merlin
Done at	LOCATION ,	DATE	Gwendolyn Denise Barriac
Done at	San Diego, o	on CONSTRUCTS DATE	Hemanth Sampath
Done at	LOCATION	on	Sameer Vermani
18731749 082514			

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Done at	, C	n	
~	LOCATION	DATE	Simone Merlin
Done at	Ç	en.	
	LOCATION	DATE	Gwendolyn Denise Barriac
Done at	, c	•n	parameter .
Done at	Sun Digo, c	DATE on 10/16/14	Hemanth Sampath
18731749 082514	LOCATION	DATE	Sameer Vermani

PATENT REEL: 048601 FRAME: 0278

RECORDED: 03/14/2019