

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4713688

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
NAVEEN KUMAR KAKANI	11/23/2017
BENJAMIN TARLOW	11/03/2017
ERIK DAVID LINDSKOG	11/15/2017
RAJA BANERJEA	11/28/2017
HONG WAN	11/15/2017
IAN CHARLES BLAIR	11/03/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	QUALCOMM INCORPORATED
<b>Street Address:</b>	5775 MOREHOUSE DRIVE
<b>City:</b>	SAN DIEGO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	92121-1714
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15712504
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)391-2901
<i>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.</i>	
<b>Phone:</b>	7033912900
<b>Email:</b>	ptonoticesqc@marburylaw.com
<b>Correspondent Name:</b>	THE MARBURY LAW GROUP, PLLC
<b>Address Line 1:</b>	11800 SUNRISE VALLEY DRIVE
<b>Address Line 2:</b>	15TH FLOOR
<b>Address Line 4:</b>	RESTON, VIRGINIA 20191
<b>ATTORNEY DOCKET NUMBER:</b>	156658C1 / 1376-1836C1
<b>NAME OF SUBMITTER:</b>	WHITNEY TEETS
<b>SIGNATURE:</b>	/Whitney TEETS/
<b>DATE SIGNED:</b>	12/01/2017

**Total Attachments: 6**

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**ASSIGNMENT**

WHEREAS, WE,

1. **Naveen Kumar KAKANI**, 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 **Irving, TX**;
2. **Benjamin TARLOW**, a citizen of the **United Kingdom**, having a mailing address located at **5775 Morehouse Drive, San Diego, CA 92121-1714**, and a resident of **Cambridge, Great Britain**;
3. **Erik David LINDSKOG**, 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 **Cupertino, CA**;
4. **Raja BANERJEA**, 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 Jose, CA**;
5. **Hong WAN**, a citizen of the **People's Republic of China**, having a mailing address located at **5775 Morehouse Drive, San Diego, CA 92121-1714**, and a resident of **Fremont, CA**; and
6. **Ian Charles BLAIR**, a citizen of the **United Kingdom**, having a mailing address located at **5775 Morehouse Drive, San Diego, CA 92121-1714**, and a resident of **Cambridge, Great Britain**;

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 **METHOD FOR DETERMINING LOCATION OF WIRELESS DEVICES** (collectively the "**INVENTIONS**") for which WE have executed and/or may execute one or more patent applications therefor; and

WHEREAS, **CSR TECHNOLOGY INC.** (hereinafter "**ASSIGNEE**"), having a place of business at 1390 Kifer Road, Sunnyvale, California 94086, 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). **15/712,504** filed **September 22, 2017** Qualcomm Reference

No. **156658C1**, which is a continuation of U.S. Application No(s). **13/964,431** filed **August 12, 2013**, Qualcomm Reference No. **156658**, and all provisional applications relating thereto, together with U.S. Provisional Application No(s). **61/748,542**, filed **January 3, 2013**, Qualcomm Reference No. **156658P1** (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;

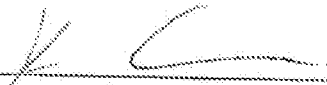
AND WE DO HEREBY authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications or registrations, to issue all patents for said INVENTIONS to said ASSIGNEE, its successors, 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;

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

Done at IRVING, TX, on NOV 23<sup>rd</sup> 2017  
LOCATION DATE

  
Naveen Kumar KAKANI

Done at \_\_\_\_\_, on \_\_\_\_\_  
LOCATION DATE

Benjamin TARLOW

Done at \_\_\_\_\_, on \_\_\_\_\_  
LOCATION DATE

Erik David LINDSKOG

Done at \_\_\_\_\_, on \_\_\_\_\_  
LOCATION DATE

Raja BANERJEA

Done at \_\_\_\_\_, on \_\_\_\_\_  
LOCATION DATE


Hong WAN

Done at \_\_\_\_\_, on \_\_\_\_\_  
LOCATION DATE

Ian Charles BLAIR

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

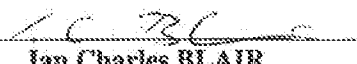
Done at \_\_\_\_\_, on \_\_\_\_\_  
LOCATION DATE  
Naveen Kumar KAKANI

Done at CAMBRIDGE, on 3 NOV 2019  
LOCATION DATE  
  
Benjamin TARLOW

Done at \_\_\_\_\_, on \_\_\_\_\_  
LOCATION DATE  
Erik David LINDSKOG

Done at \_\_\_\_\_, on \_\_\_\_\_  
LOCATION DATE  
Raja BANERJEA

Done at \_\_\_\_\_, on \_\_\_\_\_  
LOCATION DATE  
Hong WAN

Done at CAMBRIDGE, on 30 November 2017  
LOCATION DATE  
  
Ian Charles BLAIR

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 Naveen Kumar KAKANI

Done at \_\_\_\_\_, on \_\_\_\_\_  
LOCATION DATE Benjamin TARLOW

Done at San Jose, on Nov 15, 2017 Erik David LINDSKOG  
LOCATION DATE Erik David LINDSKOG

Done at \_\_\_\_\_, on \_\_\_\_\_  
LOCATION DATE Raja BANERJEA

Done at San Jose, on 11/15/2017 Hong WAN  
LOCATION DATE Hong WAN

Done at \_\_\_\_\_, on \_\_\_\_\_  
LOCATION DATE Ian Charles BLAIR

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 Naveen Kumar KAKANI

Done at \_\_\_\_\_, on \_\_\_\_\_  
LOCATION DATE Benjamin TARLOW

Done at \_\_\_\_\_, on \_\_\_\_\_  
LOCATION DATE Erik David LINDSKOG

Done at San Jose, on 11/28/17  
LOCATION DATE  Raja BANERJEA

Done at \_\_\_\_\_, on \_\_\_\_\_  
LOCATION DATE Hong WAN

Done at \_\_\_\_\_, on \_\_\_\_\_  
LOCATION DATE Ian Charles BLAIR