

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5619159

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the SIGNATURE DATE OF FIFTH INVENTOR previously recorded on Reel 049623 Frame 0490. Assignor(s) hereby confirms the SIGNATURE DATE FOR THE FIFTH INVENTOR IS 11/15/2017.

CONVEYING PARTY DATA

Name	Execution Date
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

RECEIVING PARTY DATA

Name:	CSR TECHNOLOGY INC.
Street Address:	1390 KIFER ROAD
City:	SUNNYVALE
State/Country:	CALIFORNIA
Postal Code:	94086

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15712504

CORRESPONDENCE DATA

Fax Number: (703)391-2901

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: 7033912900

Email: ptonoticesqc@marburylaw.com

Correspondent Name: THE MARBURY LAW GROUP, PLLC

Address Line 1: 11800 SUNRISE VALLEY DRIVE

Address Line 2: 15TH FLOOR

Address Line 4: RESTON, VIRGINIA 20191

ATTORNEY DOCKET NUMBER:	156658C1 / 1376-1836C1
NAME OF SUBMITTER:	WHITNEY MCNEIL
SIGNATURE:	/Whitney McNeil/

PATENT

DATE SIGNED:	07/16/2019
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Total Attachments: 9

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UNITED STATES PATENT AND TRADEMARK OFFICE

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

JULY 1, 2019

PTAS

THE MARBURY LAW GROUP, PLLC
11800 SUNRISE VALLEY DRIVE
15TH FLOOR
RESTON, VA 20191

505261479

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: 01/03/2019

REEL/FRAME: 049623/0490
NUMBER OF PAGES: 9

BRIEF: CORRECTIVE ASSIGNMENT TO CORRECT THE RECEIVING PARTY NAME PREVIOUSLY RECORDED AT REEL: 44273 FRAME: 556. ASSIGNOR(S) HEREBY CONFIRMS THE ASSIGNMENT.

DOCKET NUMBER: 156658C1 / 1376-1836C1

ASSIGNOR:

KAKANI, NAVEEN KUMAR

DOC DATE: 11/23/2017

ASSIGNOR:

TARLOW, BENJAMIN

DOC DATE: 11/03/2017

ASSIGNOR:

LINDSKOG, ERIK DAVID

DOC DATE: 11/15/2017

ASSIGNOR:

BANERJEA, RAJA

DOC DATE: 11/28/2017

ASSIGNOR:

WAN, HONG

DOC DATE: ~~11/15/2016~~ 11/15/2017

ASSIGNOR:

BLAIR, IAN CHARLES

DOC DATE: 11/03/2017

ASSIGNEE:

CSR TECHNOLOGY INC.
1390 KIFER ROAD
SUNNYVALE, CALIFORNIA 94086

APPLICATION NUMBER: 15712504

FILING DATE: 09/22/2017

PATENT NUMBER: 10219241

ISSUE DATE: 02/26/2019

TITLE: METHOD FOR DETERMINING LOCATION OF WIRELESS DEVICES

ASSIGNMENT RECORDATION BRANCH
PUBLIC RECORDS DIVISION

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5308251

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT	
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNEE INFORMATION previously recorded on Reel 044273 Frame 0556. Assignor(s) hereby confirms the CORRECT ASSIGNEE IS "CSR TECHNOLOGY INC." IT IS CORRECTLY LISTED IN THE ASSIGNMENT DOCUMENT FILED, BUT WAS RECORDED INCORRECTLY..	
CONVEYING PARTY DATA		
	Name	Execution Date
	NAVEEN KUMAR KAKANI	11/23/2017
	BENJAMIN TARLOW	11/03/2017
	ERIK DAVID LINDSKOG	11/15/2017
	RAJA BANERJEA	11/28/2017
	HONG WAN	11/15/2018
	IAN CHARLES BLAIR	11/03/2017
RECEIVING PARTY DATA		
Name:	CSR TECHNOLOGY INC.	
Street Address:	1390 KIFER ROAD	
City:	SUNNYVALE	
State/Country:	CALIFORNIA	
Postal Code:	94086	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	15712504
CORRESPONDENCE DATA		
Fax Number:	(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>		
Phone:	7033912900	
Email:	ptonoticesqc@marburylaw.com	
Correspondent Name:	THE MARBURY LAW GROUP, PLLC	
Address Line 1:	11800 SUNRISE VALLEY DRIVE	
Address Line 2:	15TH FLOOR	
Address Line 4:	RESTON, VIRGINIA 20191	
ATTORNEY DOCKET NUMBER:	156658C1 / 1376-1836C1	
NAME OF SUBMITTER:	WHITNEY MCNEIL	

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;

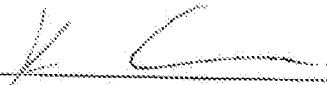
AND WE DO HEREBY authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications or registrations, to issue all patents for said INVENTIONS to said ASSIGNEE, its successors, 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 23rd 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.

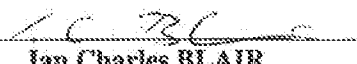
Done at _____, on _____
LOCATION DATE
Naveen Kumar KAKANI

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