

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT7060548

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the SIGNATURE DATE FOR INVENTOR #6 SHOULD BE 11/23/2021 previously recorded on Reel 057995 Frame 0136. Assignor(s) hereby confirms the SIGNATURE DATE FOR INVENTOR #6 SHOULD BE 11/23/2021.
CONVEYING PARTY DATA	
Name	Execution Date
HUSSEIN METWALY SAAD	10/24/2021
PEERAPOL TINNAKORNSRISUPHAP	10/11/2021
PRASHANTH HARIDAS HANDE	11/01/2021
GERHARD REITMAYR	10/10/2021
ABHIJEET BISAIN	10/25/2021
CHIH-PING LI	11/23/2021
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:	17449621
CORRESPONDENCE DATA	
Fax Number:	(214)855-8200
<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:	2148558000
Email:	mitzi.booth@nortonrosefulbright.com
Correspondent Name:	T. MEANEY/NORTON ROSE FULBRIGHT US LLP
Address Line 1:	2200 ROSS AVE, SUITE 3600
Address Line 4:	DALLAS, TEXAS 75201-7932
ATTORNEY DOCKET NUMBER:	QLXX.P1705US/1001179392
NAME OF SUBMITTER:	THOMAS J. MEANEY
SIGNATURE:	/THOMAS J. MEANEY/

DATE SIGNED:	12/07/2021
Total Attachments: 12 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif source=Assignment#page5.tif source=Assignment#page6.tif source=Assignment#page7.tif source=Assignment#page8.tif source=Assignment#page9.tif source=Assignment#page10.tif source=Assignment#page11.tif source=Assignment#page12.tif	



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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1

Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>HUSSEIN METWALY SAAD</td><td>10/24/2021</td></tr><tr><td>PEERAPOL TINNAKORNSRISUPHAP</td><td>10/11/2021</td></tr><tr><td>PRASHANTH HARIDAS HANDE</td><td>11/01/2021</td></tr><tr><td>GERHARD REITMAYR</td><td>10/10/2021</td></tr><tr><td>ABHIJEET BISAIN</td><td>10/25/2021</td></tr><tr><td>CHIH-PING LI</td><td>10/23/2021</td></tr></tbody></table>	Name	Execution Date	HUSSEIN METWALY SAAD	10/24/2021	PEERAPOL TINNAKORNSRISUPHAP	10/11/2021	PRASHANTH HARIDAS HANDE	11/01/2021	GERHARD REITMAYR	10/10/2021	ABHIJEET BISAIN	10/25/2021	CHIH-PING LI	10/23/2021	
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CORRESPONDENCE DATA**Fax Number:** (214)855-8200**Phone:** 2148558000**Email:** mitzi.booth@nortonrosefulbright.com*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.***Correspondent Name:** T. MEANEY/NORTON ROSE FULBRIGHT US LLP**Address Line 1:** 2200 ROSS AVE, SUITE 3600**Address Line 4:** DALLAS, TEXAS 75201-7932**ATTORNEY DOCKET
NUMBER:**

QLXX.P1706US/1001179392

NAME OF SUBMITTER:

THOMAS J. MEANEY

Signature:

/THOMAS J. MEANEY/

Date:

11/02/2021

Total Attachments: 8

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RECEIPT INFORMATION**EPAS ID:** PAT7002398**Receipt Date:** 11/02/2021[Return to home page](#)[| HOME](#) | [INDEX](#) | [SEARCH](#) | [eBUSINESS](#) | [CONTACT US](#) | [PRIVACY STATEMENT](#)

v1

ASSIGNMENT

WHEREAS, WE,

1. **Hussein METWALY SAAD**, having a mailing address located at **5775 Morehouse Drive, San Diego, California 92121-1714, U.S.A.**,
2. **Peerapol TINNAKORNSRISUPHAP**, having a mailing address located at **5775 Morehouse Drive, San Diego, California 92121-1714, U.S.A.**,
3. **Prashanth Haridas HANDE**, having a mailing address located at **5775 Morehouse Drive, San Diego, California 92121-1714, U.S.A.**,
4. **Gerhard REITMAYR**, having a mailing address located at **5775 Morehouse Drive, San Diego, California 92121-1714, U.S.A.**,
5. **Abhijeet BISAIN**, having a mailing address located at **5775 Morehouse Drive, San Diego, California 92121-1714, U.S.A.**,
6. **Chih-Ping LI**, having a mailing address located at **5775 Morehouse Drive, San Diego, California 92121-1714, U.S.A.**,

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 **EXPLOITING EXTENDED REALITY PERCEPTION DATA FOR BEAM MANAGEMENT** (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). 17/449,621** filed **September 30, 2021**, **Qualcomm Reference Number 2102761**, and all provisional applications relating thereto (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

v1

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

Done at San Diego, CA, United States on 10/24/2021 Hussein Saad
City, State, Country Date Hussein METWALY SAAD

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

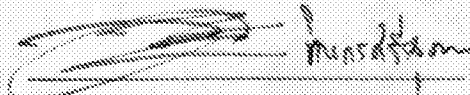
Done at San Diego, CA, United States

on

10/11/2021

City, State, Country

Date



Peerapol TINNAKORNSRISUPHAP

Document ID: 1633797108919 v1

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

Done at San Diego, CA, United States on Nov / 2021
City, State, Country Date


Prashanth Haridas HANDE



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

Done at Del Mar, CA, United States

City, State, Country

on

10/10/2021

Date



Gerhard REITMAYR

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

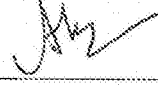
Done at San Diego, CA, United States

on

10/25/21

City, State, Country

Date


Abhijeet BISAIN

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

Done at San Diego, CA, United States

on

11/23/2021

City, State, Country

Date

Chih-Ping LI