506263956 09/22/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6310702

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PRADEEP RAJ	08/08/2020
RAHUL SAHU	08/10/2020
SHARAD KUMAR GUPTA	06/05/2020
CHULMIN JUNG	07/22/2020

RECEIVING PARTY DATA

Name:	QUALCOMM INCORPORATED		
Street Address:	5775 MOREHOUSE DRIVE		
City:	SAN DIEGO		
State/Country:	Country: CALIFORNIA		
Postal Code: 92121-1714			

PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	16827959		

CORRESPONDENCE DATA

Fax Number: (713)623-4846

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: 713-623-4844

Email: psdocketing@pattersonsheridan.com,sdominguez@pattersonsheridan.com

Correspondent Name: PATTERSON + SHERIDAN LLP

Address Line 1: 24 GREENWAY PLAZA

Address Line 2: SUITE 1600

Address Line 4: HOUSTON, TEXAS 77046

ATTORNEY DOCKET NUMBER:	193270US
NAME OF SUBMITTER:	PAYTON HASHEMI
SIGNATURE:	/Payton Hashemi/
DATE SIGNED:	09/22/2020

Total Attachments: 12

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WHEREAS, WE,

- 1. **Pradeep RAJ**, having a mailing address located at 5775 Morehouse Drive; San Diego, California 92121-1714,
- 2. **Rahul SAHU**, having a mailing address located at 5775 Morehouse Drive; San Diego, California 92121-1714,
- 3. **Sharad Kumar GUPTA**, having a mailing address located at 5775 Morehouse Drive; San Diego, California 92121-1714,
- 4. **Chulmin JUNG**, having a mailing address located at 5775 Morehouse Drive; San Diego, California 92121-1714,

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 **WRITE ASSIST FOR MEMORY** (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. 16/827,959, filed March 24, 2020, Qualcomm Reference No. 193270, 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 assigns, all rights of priority under International

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	Bangalore	, on	B/Au3/2020	ProdeepRoj
	CITY, STATE		DATE	Pradeep RAJ
Done at	CITY, STATE	, on	DATE	Rahul SAHU
	CIT, STAIL		DATE	Kanui SATU
Done at	CITY, STATE	, on	DATE	Sharad Kumar GUPTA
	0111,011112		Dixi	Sharau Rumar Gur EA
Done at	CITY, STATE	, on	DATE	Chulmin JUNG
	CILI, STATE		DAIL	Chainna June

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Done at		, on		
	CITY, STATE		DATE	Pradeep RAJ
Done at	CTIV, STATE	, on	10 ^h Auf, 2020 Date	Rahul SAHU
Done at	CITY, STATE	, on	DATE	Sharad Kumar GUPTA
Done at	CITY, STATE	, on	DATE &	Chulmin JUNG

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	CITY, STATE		DATE	Pradeep RAJ
Done at		on		
	CITY, STATE		DATE	Rahul SAHU
Done at	bangalere, KA	, on	5th June 2020	Sharad Gubia
	ČITY, STATE		DATE	Sharad Kumar GUPTA
Done at		, on		
	CITY, STATE		DATE	Chulmin JUNG

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AND WE HEREBY coverant that Wi whotavever conflicting with these presents	will not execute any writing or do any act
Period CALL CALL	Pradeep RAJ
Denie atOROROREDATE	Rahul SAHU
Done at, on	Sharad Kumar GUPTA
1000 1 100 A 10 7/2/22	Chalmin JUNG

PATENT REEL: 053842 FRAME: 0643

RECORDED: 09/22/2020