PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5580845

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JU-YONG DO	09/12/2017
SAI PRADEEP VENKATRAMAN	08/23/2017
WEIHUA GAO	08/17/2017
GENGSHENG ZHANG	09/12/2017
RAYMAN PON	08/15/2017

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:	16444692

CORRESPONDENCE DATA

Fax Number:

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: 650-324-6360

Email: tyee@kilpatricktownsend.com

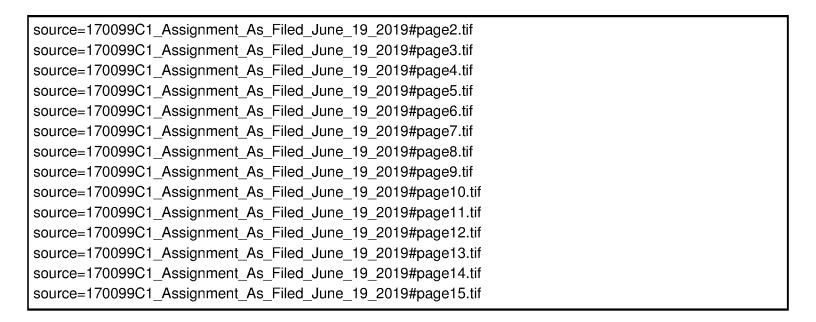
Correspondent Name: KILPATRICK TOWNSEND & STOCKTON LLP Address Line 1: 1100 PEACHTREE STREET, N.E., SUITE 2800

Address Line 4: ATLANTA, GEORGIA 30309

ATTORNEY DOCKET NUMBER:	170099C1 (1140292)
NAME OF SUBMITTER:	TANYA YEE
SIGNATURE:	/Tanya Yee/
DATE SIGNED:	06/19/2019

Total Attachments: 15

source=170099C1_Assignment_As_Filed_June_19_2019#page1.tif



WHEREAS, WE,

- 1. Ju-Yong DO, a citizen of Republic of Korea, having a mailing address located at 19503 Stevens Creek Blvd, #108, Cupertino, CA 95104, and a resident of Cupertino, California, U.S.A,
- 2. Sai Pradeep VENKATRAMAN, a citizen of India, having a mailing address located at 5775 Morehouse Drive, San Diego, California, 92121-1714, and a resident of Santa Clara, California, U.S.A,
- 3. Weihua GAO, a citizen of the People's Republic of China, having a mailing address located at 5775 Morehouse Drive, San Diego, California, 92121-1714, and a resident of San Jose, California, U.S.A,
- 4. Gengsheng ZHANG, 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 Cupertino, California, U.S.A,
- 5. Rayman PON, 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 Cupertino, California, 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 METHOD AND SYSTEM FOR SYNCHRONIZATION OF SENSING OPERATIONS PERFORMED BY A PLURALITY OF DEVICES (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). 15/635,830 filed June 28, 2017, Qualcomm Reference No. 170099, and all provisional applications relating thereto, (and do hereby authorize

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;

PATENT
QUALCOMM Ref. No. 170099
Page 3 of 3

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

Done at Samto	a Clara, on _	9/12/17	335
LOC	ATION	DATE	Ju-Yong DO
Done at	, on		
LOC	TATION	DATE	Sai Pradeep VENKATRAMAN
Done atLOC	, on	DATE	Weihua GAO
Done atLOC	TATION	DATE	Gengsheng ZHANG
Done at	, on		
100	^ATION	DATE	Rayman PON

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- 3. Weihua GAO, a citizen of the People's Republic of China, having a mailing address located at 5775 Morehouse Drive, San Diego, California, 92121-1714, and a resident of San Jose, California, U.S.A,
- 4. Gengsheng ZHANG, 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 Cupertino, California, U.S.A,
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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). 15/635,830 filed June 28, 2017, Qualcomm Reference No. 170099, and all provisional applications relating thereto, (and do hereby authorize

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	, on	
LOCATION	, on DATE	Ju-Yong DO
Done at <u>Sayle Gase</u> LOCATION	on 8 ² /23/2217 DATE	Sai Pradeep VENKATRAMAN
Done atLOCATION	, on DATE	Weihua GAO
Done atLOCATION	, on DATE	Gengsheng ZHANG
Done at	, on	Rayman PON

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Done at	, on		
	LOCATION, on	DATE	Ju-Yong DO
Done at _	, on	DATE	Sai Pradeep VENKATRAMAN
Done at _	Sala Jaya, on _	08//7//7 DATE	Weihua GAO
Done at _	LOCATION, on	DATE	Gengsheng ZHANG
Done at	, on	DATE	Rayman PON

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PATENT OUALCOMM Ref. No. 170099 Page 3 of 3

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Done at			
	LOCATION	DATE	Ja-Yong DO
Done at	an,		
a tantanan ayar ayar a	LOCATION	DATE	Sai Fradeep VENKATRAMAN
Done at	, øn		
	LOCATION	DATE	Weihus GAO
Done at 2	éwika Gara _{son}	01/12/2017	ganglang zame
برز ()	LOCATION	DATE	/ Gengsheng ZHANG V
Done at	çon .	:	
	LOCATION	DATE	Rayman PON

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<u></u>	LOCATION	DATE	Ju-Yong DO
Done at	LOCATION	, on DATE	Sai Pradeep VENKATRAMAN
Done at _	LOCATION	, on DATE	Weihua GAO
Done at _	LOCATION	, on DATE	Gengsheng ZHANG
Done at _	<u>In Ja Class</u> LOCATION	on <u>8-75-2-07</u> DATE	Rayman PON

PATENT REEL: 049594 FRAME: 0396

RECORDED: 09/19/2019