505293913 01/24/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
STEPHEN W. EDGE	04/29/2010
NATHAN E. TENNY	04/29/2010
SVEN FISCHER	05/03/2010

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:	16175751

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

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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:	NUMBER: 081327U2C1C1C2 (1107379)	
NAME OF SUBMITTER:	TANYA YEE	
SIGNATURE:	/Tanya Yee/	
DATE SIGNED:	01/24/2019	

Total Attachments: 6

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PATENT 505293913 REEL: 048123 FRAME: 0225

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TO WHOM IT MAY CONCERN:

For the sum of One Dollar and other valuable consideration to us in hand paid, receipt of which is hereby acknowledged, be it known that We/I,

- 1. Stephen W. Edge, a citizen of the United States, having a mailing address of 5775 Morehouse Drive, San Diego, California 92121-1714; and a resident of Escondido, CA, USA.
- Nathan E. Tenny, a citizen of the United States, having a mailing address of 5775
 Morehouse Drive, San Diego, California 92121-1714; and a resident of Poway, CA, USA.
- 3. Sven Fischer, a citizen of Germany, having a mailing address of 5775 Morehouse Drive, San Diego, California 92121-1714; and a resident of Nuremberg, DE.

have sold, assigned and transferred and by these presents do sell, assign, transfer and set over unto QUALCOMM Incorporated, a Delaware corporation, having a place of business at 5775 Morehouse Drive, San Diego, California 92121-1714, its successors, legal representatives, or assigns, the entire right, title and interest in and to a certain invention relating to METHOD AND APPARATUS FOR SUPPORTING POSITIONING FOR TERMINALS IN A WIRELESS NETWORK by me devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on April 20, 2010, and assigned Serial No. 12/763,962, including Provisional Application Number 61/172,719, filed on April 21, 2009, and including Provisional Application Number 61/172,719, filed on April 25, 2009, and including Provisional Application Number 61/218,929, filed on June 20, 2009, and including Provisional Application Number 61/247,363, filed on September 30, 2009, and all original and reissue patents granted thereof, and all divisions, continuations and continuations-in-part thereof, including the subject matter of any and all claims which may be obtained in every such patent,

and all foreign rights to said invention, and covenant that I have full right to do so, and agree that I will communicate to said corporation or its representatives all facts known to me respecting said invention, whenever requested, and testify in any legal proceedings, sign all lawful papers, make all rightful oaths and generally do everything possible to aid said corporation, its successors, assigns and nominees, to obtain and enforce proper patent protection for said invention in all countries.

The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

	<u>o Não ethis -</u>	*	子人、こと Stephen W. Edge	1000
Done at	this	day of		No.
			Nathan E. Tenny	
Done at	this	day of	, 2010.	
			Sven Fischer	

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be granted for said invention or any part the	reof unto said corporation	in keeping with this
Assignment,		
Done atthisday of	, 2010.	
•••••	Stephen W. Ed	ge
Done at <u>SAID (CO)</u> [A this 21 ¹¹ day of Age	ر ,2010 ر	
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Antight Bridge and Charles and Charles And Charles	Color grand and and an analysis and an analysis and a first and an analysis and the color and a figure and a figure and	ny
		en de Margaret en de la compa
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Done at	this	day of	, 2010.	
		wines,	Stephen W. Edg	
Done at	this	day of	2010.	
			Nathan E. Tenn	
Done at Nur embe	25_this <u>3'</u>	day of <u>Ha</u>	X2010. S. Visider	aria.
			Sven Fischer	***************************************

PATENT REEL: 048123 FRAME: 0232

RECORDED: 01/24/2019