502425423 07/18/2013

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Hao XU	07/02/2013
Wanshi CHEN	07/02/2013
Peter GAAL	07/02/2013
Stefan GEIRHOFER	07/02/2013

RECEIVING PARTY DATA

Name:	QUALCOMM INCORPORATED
Street Address:	5775 MOREHOUSE DRIVE
City:	San Diego
State/Country:	CALIFORNIA
Postal Code:	92121

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13891143

CORRESPONDENCE DATA

Fax Number: 3102015219

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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	PATENT
Signature:	/Vanessa J. Owen/
NAME OF SUBMITTER:	Vanessa J. Owen
ATTORNEY DOCKET NUMBER:	122576

REEL: 030830 FRAME: 0599

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Date:	07/18/2013
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PATENT REEL: 030830 FRAME: 0600

ASSIGNMENT

WHEREAS, WE,

- 1. Hao XU, a citizen of United States of America, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of San Diego, CA,
- 2. Wanshi CHEN, a citizen of China, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of San Diego, CA.
- 3. Peter GAAL, a citizen of United States of America, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of San Diego, CA,
- 4. Stefan GEIRHOFER, a citizen of Austria, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of San Diego, CA,

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 INTERFERENCE MANAGEMENT FOR ADAPTIVE TDD WITH FREQUENCY DOMAIN SEPARATIONS (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). 13/891,143 filed May 9, 2013, Qualcomm Reference No. 122576, and all provisional applications relating thereto, together with U.S. Provisional Application No(s). 61/646,170, filed May 11, 2012, Qualcomm Reference No. 122576P1, (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:

PATENT REEL: 030830 FRAME: 0601 AND WE HEREBY represent that WE have full and exclusive, unencumbered right to sell, assign, convey and transfer all subject matter herein, and hereby covenant that WE have not and will not execute any writing or do any act whatsoever conflicting with these presents.

Done at San Diegon 7/2/2013 Hao XU

Done at LOCATION DATE Wanshi CHEN

Done at Son Dieg on 07/02/13 Peter GAAL

Done at Jau Diggs, on 7/2/2013
LOCATION DATE

Stefan GEIRHOFER

RECORDED: 07/18/2013

PATENT REEL: 030830 FRAME: 0602