503033040 10/24/2014

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3079639

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
YICHAO HUANG	07/31/2014
CHIRAG SURESHBHAI PATEL	08/07/2014
TAMER ADEL KADOUS	10/17/2014
MEHMET YAVUZ	09/05/2014
LILI ZHANG	08/13/2014
RAJAT PRAKASH	08/11/2014
VINAY CHANDE	10/22/2014
CHRISTOPHE CHEVALLIER	08/01/2014
SUMEETH NAGARAJA	08/01/2014
FARHAD MESHKATI	08/07/2014
SUHAS MITRA	08/07/2014
VANSH PAL SINGH MAKH	08/14/2014
YELIZ YOKGOZ	08/21/2014
CONG SHEN	08/11/2014
VARUN KHAITAN	09/01/2014

#### **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:	14444582

### **CORRESPONDENCE DATA**

**Fax Number:** (858)658-2502

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.

Email: us-docketing@qualcomm.com
Correspondent Name: QUALCOMM INCORPORATED

**PATENT** 

503033040 REEL: 034026 FRAME: 0924

Address Line 1: 5775	MOREHOUSE DRIVE			
Address Line 4: SAN	DIEGO, CALIFORNIA 92121			
ATTORNEY DOCKET NUMBER:	102910B1			
NAME OF SUBMITTER:	ANGELINE GERONIMO			
SIGNATURE:	/Angeline A Geronimo/			
DATE SIGNED:	10/24/2014			
Total Attachments: 17	•			
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#### ASSIGNMENT

### WHEREAS, WE,

- 1. Yichao HUANG, a citizen of China, having a mailing address located at 5775 Morehouse Drive San Diego, CA 92121 and a resident of San Diego, CA,
- 2. Chirag Sureshbhai PATEL, a citizen of India, having a mailing address located at 5775 Morehouse Drive San Diego, CA 92121 and a resident of San Diego, CA,
- 3. Tamer Adel KADOUS, a citizen of Egypt, having a mailing address located at 5775 Morehouse Drive San Diego, CA 92121-1714 and a resident of San Diego, CA,
- 4. Mehmet YAVUZ, a citizen of United States of America, having a mailing address located at 5775 Morehouse Drive San Diego, CA 92121-1714 and a resident of San Diego, CA,
- 5. Lili ZHANG, a citizen of China, having a mailing address located at 5775 Morehouse Drive San Diego, CA 92121-1714 and a resident of San Diego, CA,
- 6. Rajat PRAKASH, a citizen of India, having a mailing address located at 5775 Morehouse Drive San Diego, CA 92121-1714 and a resident of San Diego, CA,
- 7. Vinay CHANDE, a citizen of India, having a mailing address located at 5775 Morehouse Drive San Diego, CA 92121-1714 and a resident of San Diego, CA,
- 8. Christophe CHEVALLIER, a citizen of United States of America, having a mailing address located at 5775 Morehouse Drive San Diego, CA 92121-1714 and a resident of San Diego, CA,
- 9. Sumeeth NAGARAJA, a citizen of India, having a mailing address located at 5775 Morehouse Drive San Diego, CA 92121-1714 and a resident of San Diego, CA,
- 10. Farhad MESHKATI, a citizen of United States of America, having a mailing address located at 5775 Morehouse Drive San Diego, CA 92121-1714 and a resident of San Diego, CA,
- 11. Suhas MITRA, a citizen of India, having a mailing address located at 5775 Morehouse Drive San Diego, CA 92121-1714 and a resident of San Diego, CA,
- 12. Vansh Pal Singh MAKH, a citizen of India, having a mailing address located at 5775 Morehouse Drive San Diego, CA 92121-1714 and a resident of San Francisco, CA,

- Page 2 of 3
- 13. Yeliz TOKGOZ, a citizen of United States of America, having a mailing address located at 5775 Morehouse Drive San Diego, CA 92121-1714 and a resident of San Diego, CA,
- 14. Cong SHEN, a citizen of China, having a mailing address located at 5775 Morehouse Drive San Diego, CA 92121-1714 and a resident of San Diego, CA,
- 15. Varun KHAITAN, a citizen of India, having a mailing address located at A1/254, Safdarjung Enclave, 2<sup>nd</sup> Floor New Delhi, 110029 and a resident of New Delhi, Delhi

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 <a href="METHODS AND APPARATUS FOR POWER MANAGEMENT IN A WIRELESS COMMUNICATION SYSTEM">METHODS AND APPARATUS FOR POWER MANAGEMENT IN A WIRELESS COMMUNICATION SYSTEM</a> (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). 14/444,582 filed July 28, 2014 Qualcomm Reference No. 102910B1, and all provisional applications relating thereto, together with U.S. Provisional Application No(s). 61/897078 filed October 29, 2013, Qualcomm Reference No. 140009P1; 61/386,278 filed September 24, 2010, Qualcomm Reference No. 102987P1; 61/387,433 filed September 28, 2010, Qualcomm Reference No. 102910P1 (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 non-provisional applications related thereto, together with U.S. Non-Provisional Application No(s). 13/241,130 filed September 22, 2011, Qualcomm Reference No. 102910, and all national phase applications, 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;

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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;

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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.

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## PATENT QUALCOMM Ref. No. 102910B1 Page 4 of 3

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

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QUALCOMM Ref. No. 102910B1 Page 5 of 3

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

Done at NEW DELHI, on  $\frac{9/1/2014}{LOCATION}$  DATE

Varun KHAITAN

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