

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Qualcomm Atheros, Inc.	06/25/2013
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
PCT Number:	CN2012072898
CORRESPONDENCE DATA	
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
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Correspondent Name:	Mahamedi Paradise Kreisman LLP
Address Line 1:	1901 S. Bascom Ave., Suite 600
Address Line 4:	Campbell, CALIFORNIA 95008
ATTORNEY DOCKET NUMBER:	QCA121523WO
NAME OF SUBMITTER:	Chris Fitting
Signature:	/Chris Fitting/
Date:	08/30/2013
Total Attachments: 5 source=2013-06-25_Patent_Assignment_Qualcomm_Atheros_to_Qualcomm_Incorporated#page1.tif source=2013-06-25_Patent_Assignment_Qualcomm_Atheros_to_Qualcomm_Incorporated#page2.tif source=2013-06-25_Patent_Assignment_Qualcomm_Atheros_to_Qualcomm_Incorporated#page3.tif source=2013-06-25_Patent_Assignment_Qualcomm_Atheros_to_Qualcomm_Incorporated#page4.tif source=2013-06-25_Patent_Assignment_Qualcomm_Atheros_to_Qualcomm_Incorporated#page5.tif	

CH \$40.00 CN2012072898

PATENT ASSIGNMENT

WHEREAS, Qualcomm Atheros, Inc., a Delaware corporation, having a place of business located at 1700 Technology Drive, San Jose, CA 95110 (hereinafter "**ASSIGNOR**"), hereby represents and warrants that it is the sole and exclusive owner of the entire right, title, and interest in, to and under the Patent Items (as defined below).

WHEREAS, QUALCOMM Incorporated, a Delaware corporation (hereinafter "**ASSIGNEE**"), has agreed to acquire ASSIGNOR's entire right, title and interest in, to and under (i) the patents and patent applications identified in the schedule attached hereto (hereinafter "**SCHEDULE A**"), and all provisional applications relating thereto; (ii) all patents issuing on any patent applications identified in SCHEDULE A; (iii) all reissues, reexaminations, extensions, divisionals, renewals, continuations, continuations-in-part and counterparts (whether foreign or domestic) claiming priority to or based on any of the foregoing items in (i) or (ii) above, along with all patents issuing therefrom; and (iv) all inventions and improvements claimed or described in any of the foregoing items (i), (ii) or (iii) (subsections (i), (ii), (iii) and (iv) hereinafter collectively referred to as the "**Patent Items**").

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR and ASSIGNEE agree as follows:

1. ASSIGNOR does acknowledge that ASSIGNOR has sold, assigned, transferred, conveyed, and delivered, and by these presents does hereby sell, assign, transfer, convey and deliver unto ASSIGNEE, its successors, legal representatives and assigns, ASSIGNOR's entire right, title and interest throughout the world in, to and under the Patent Items, including without limitation all foreign patents and any rights of priority based on or relating to the Patent Items.

2. ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States of America, and any Official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications, to issue all patents for the Patent Items to ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this Patent Assignment.

3. ASSIGNOR does acknowledge that ASSIGNOR has sold, assigned, transferred, conveyed, and delivered, and by these presents does hereby sell, assign, transfer, convey and deliver to ASSIGNEE, its successors, legal representatives and assigns, ASSIGNOR's entire rights of enforcement, all of ASSIGNOR's claims for damages and remedies arising out of, relating to or resulting from the Patent Items or any violation(s) thereof, whether accrued prior to the date of this Patent Assignment or hereafter, including but not limited to the right to sue for, seek, collect, recover and retain damages and any other relief arising out of or resulting from any past, present or future infringement or violation of any of the Patent Items, and all other rights, including common law rights, that ASSIGNOR may have relating to the Patent Items, including but not limited to any ongoing or prospective royalties to which ASSIGNOR may be entitled, or that ASSIGNOR may collect for any infringements of any of the Patent Items or from any settlement or agreement related to the Patent Items arising

before or after the date of this Patent Agreement, such rights to be held and enjoyed by ASSIGNEE, its successors, legal representatives and assigns, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR if this Patent Assignment had not been made.

4. ASSIGNOR hereby represents and warrants that ASSIGNOR has full right, power and authority to sell, assign, transfer, convey and deliver all of the subject matter set forth herein, and hereby covenants and agrees that ASSIGNOR will communicate promptly to ASSIGNEE, its successors, legal representatives and assigns, all facts known to ASSIGNOR respecting the Patent Items, and will testify in any legal proceeding, sign all lawful papers, transfer all file histories, make diligent effort to find or reach every inventor of the Patent Items required in connection with preparation of any lawful document or proceeding relating to the Patent Items, make reasonable efforts to obtain all required signed and executed documents relating to the Patent Items from every inventor named in the Patent Items, make all rightful declarations and/or oaths and generally do everything possible to aid ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce patent protection for the Patent Items on a worldwide basis in all countries. ASSIGNOR further covenants and agrees that ASSIGNOR will wholly refrain from challenging the validity, enforceability or scope of the Patent Items, whether through opposition, reexamination and/or court proceedings.

[Remainder of Page Intentionally Left Blank]

IN WITNESS WHEREOF, I hereunto set my hand this 25th day of June, 2013.

Adam Tachner
Qualcomm Atheros, Inc.

Printed Name: Adam Tachner

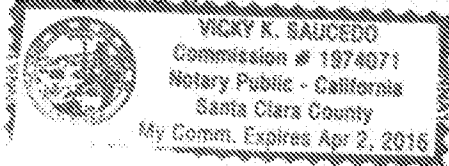
Title: Secretary, VP, and General Counsel

State of California)
County of Santa Clara) ss.

On June 25, 2013, before me, Vicky K. Saucedo, Notary Public
Date *Name of Notary Public*
personally appeared Adam H. Tachner
Name of Signer

who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.



WITNESS my hand and official seal.

Vicky K. Saucedo

IN WITNESS WHEREOF, acknowledged and accepted on this 8 day of July, 2013.

On Behalf of QUALCOMM Incorporated

Raymond B. Hom

Printed Name: Raymond B. Hom

Title: V.P., Patent Counsel

SEE ATTACHED

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1128

State of California

County of San Diego

On July 8, 2013 before me, M. Sanfilippo, Notary Public

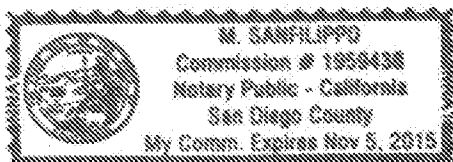
personally appeared Raymond B. Hem

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature: M. Sanfilippo



Place Notary Seal Above

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____ Signer's Name: _____

☐ Corporate Officer — Title(s): _____ ☐ Corporate Officer — Title(s): _____

☐ Individual ☐ Individual

☐ Partner — ☐ Limited ☐ General ☐ Partner — ☐ Limited ☐ General

☐ Attorney in Fact ☐ Attorney in Fact

☐ Trustee ☐ Trustee

☐ Guardian or Conservator ☐ Guardian or Conservator

☐ Other: _____ ☐ Other: _____

Signer is Representing: _____ Signer is Representing: _____

SCHEDULE A

Reference Number	Jurisdiction	Serial Number	Application Date
121335WO	Patent Cooperation Treaty	PCT/US2012/056930	24 SEPT 2012
121387WO	Patent Cooperation Treaty	PCT/US2012/056931	24 SEPT 2012
113065WO	Patent Cooperation Treaty	PCT/CN2012/074973	2 MAY 2012
113481WO	Patent Cooperation Treaty	PCT/CN2011/081911	8 NOV 2012
120548WO	Patent Cooperation Treaty	PCT/CN2012/077601	27 JUNE 2012
120605WO	Patent Cooperation Treaty	PCT/CN2012/076513	6 JUNE 2012
120660WO	Patent Cooperation Treaty	PCT/CN2012/077071	18 JUNE 2012
120781WO	Patent Cooperation Treaty	PCT/CN2012/071166	15 FEB 2012
120919WO	Patent Cooperation Treaty	PCT/CN2012/071930	5 MAR 2012
121511WO	Patent Cooperation Treaty	PCT/CN2012/072877	23 MAR 2012
121523WO	Patent Cooperation Treaty	PCT/CN2012/072898	23 MAR 2012
122081WO	Patent Cooperation Treaty	PCT/CN2012/075723	18 MAY 2012