

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3204398

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNOR NAME SAI YIU DUNCAN HO MISPELLED AS SAIYIU previously recorded on Reel 029258 Frame 0802. Assignor(s) hereby confirms the ASSIGNOR'S NAME SHOULD BE SAI YIU DUNCAN HO.
CONVEYING PARTY DATA	
Name	Execution Date
PUNYASLOK PURKAYASTHA	10/02/2012
SAI YIU DUNCAN HO	09/20/2012
BIBHU PRASAD MOHANTY	10/29/2012
ETAN GUR COHEN	09/19/2012
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:	13610846
CORRESPONDENCE DATA	
Fax Number:	(281)754-4914
<i>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.</i>	
Phone:	281-758-0025
Email:	jdiarte@deliziogilliam.com
Correspondent Name:	DELIZIO GILLIAM, PLLC
Address Line 1:	15201 MASON RD.
Address Line 2:	SUITE 1000-312
Address Line 4:	CYPRESS, TEXAS 77433
ATTORNEY DOCKET NUMBER:	113345
NAME OF SUBMITTER:	JEANNE DIARTE
SIGNATURE:	/Jeanne Diarte/
DATE SIGNED:	01/29/2015

Total Attachments: 7

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PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Punyaslok Purkayastha</td> <td>10/02/2012</td> </tr> <tr> <td>Saiyu Duncan Ho</td> <td>09/20/2012</td> </tr> <tr> <td>Bibhu Prasad Mohanty</td> <td>10/29/2012</td> </tr> <tr> <td>Etan Gur Cohen</td> <td>09/19/2012</td> </tr> </tbody> </table>		Name	Execution Date	Punyaslok Purkayastha	10/02/2012	Saiyu Duncan Ho	09/20/2012	Bibhu Prasad Mohanty	10/29/2012	Etan Gur Cohen	09/19/2012
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Etan Gur Cohen	09/19/2012										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Qualcomm Atheros, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>1700 Technology Drive</td> </tr> <tr> <td>City:</td> <td>San Jose</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>95110</td> </tr> </table>		Name:	Qualcomm Atheros, Inc.	Street Address:	1700 Technology Drive	City:	San Jose	State/Country:	CALIFORNIA	Postal Code:	95110
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CORRESPONDENCE DATA											
<p>Fax Number: 281754491</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 281-758-0025</p> <p>Email: btalash@delizogilliam.com</p> <p>Correspondent Name: Andrew DeLizio</p> <p>Address Line 1: 15201 Mason Road</p> <p>Address Line 2: Suite 1000-312</p> <p>Address Line 4: Cypress, TEXAS 77433</p>											
ATTORNEY DOCKET NUMBER:	113345										
NAME OF SUBMITTER:	Becky Talash										
Total Attachments: 6											

OP \$40.00 13610846

ASSIGNMENT

WHEREAS, WE,

5775 Morehouse Drive, San Diego, California 92121-1714

1. **Punyaslok PURKAYASTHA**, a citizen of India, having a mailing address located at ~~1700 Technology Drive, San Jose, California 95110~~, and a resident of San Diego, California,

Sai Yiu 8/2/14

2. ~~Sai Yiu~~ **Duncan HO**, a citizen of Canada, having a mailing address located at ~~1700 Technology Drive, San Jose, California 95110~~, and a resident of San Diego, California,

5775 Morehouse Drive, San Diego, California 92121-1714

3. **Bibhu Prasad MOHANTY**, a citizen of United States of America, having a mailing address located at ~~1700 Technology Drive, San Jose, California 95110~~, and a resident of San Diego, California, 5775 Morehouse Drive, San Diego, California 92121-1714

4. **Etan Gur COHEN**, a citizen of United States of America, having a mailing address located at ~~1700 Technology Drive, San Jose, California 95110~~, and a resident of San Francisco, California, 5775 Morehouse Drive, San Diego, California 92121-1714

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 PROVIDING COMMUNICATION PATH INFORMATION IN A HYBRID COMMUNICATION NETWORK (collectively the "INVENTIONS") for which WE have executed and/or may execute one or more patent applications therefor; and

WHEREAS, Qualcomm Atheros, Inc. (hereinafter "ASSIGNEE"), a Delaware corporation, having a place of business at 1700 Technology Drive, San Jose, California 95110, 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). 13/610,846 filed September 11, 2012, Qualcomm Reference No. 113345, and all provisional applications relating thereto, together with U.S. Provisional Application No(s). 61/533,505, filed September 12, 2011, Qualcomm Reference No. 113345P1, (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;

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 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.

PATENT

QUALCOMM Ref. No. 113345

Page 3 of 3

Done at San Diego, on 0612, 2012
LOCATION DATE

Punyaslok Parbajastha
Punyaslok PURKAYASTHA

Done at _____, on _____
LOCATION DATE

Sai Yiu Duncan HO
Sai Yiu

Done at _____, on _____
LOCATION DATE

Bibhu Prasad MOHANTY

Done at _____, on _____
LOCATION DATE

Eran Gur COHEN

PATENT

QUALCOMM Ref No. 113345

Page 3 of 3

Done at _____, on _____
LOCATION DATE Purnyashlok PURKAYASTHA

Done at San Jose, CA, on Aug 26, 2014
LOCATION DATE Sai Yiu Duncan HO
Sai Yiu Aug 12/2014

Done at _____, on _____
LOCATION DATE Bibhu Prasad MOHANTY

Done at _____, on _____
LOCATION DATE Etan Gur COHEN

PATENT

REEL: 034859 FRAME: 0191

Done at _____, on _____
LOCATION DATE

Punyaslok PURKAYASTHA

Done at _____, on _____
LOCATION DATE

~~Saiyu~~ Duncan HO
Sai Yiu

Done at San Diego, on 10/29/2012
LOCATION DATE


Bibhu Prasad MOHANTY

Done at _____, on _____
LOCATION DATE

Etan Gur COHEN

PATENT

QUALCOMM Ref. No. 113345

Page 3 of 3

Done at _____, on _____
LOCATION DATE

Punyaslok PURKAYASTHA


Done at _____, on _____
LOCATION DATE

~~Sai Yiu~~ Duncan HO
Sai Yiu

Done at _____, on _____
LOCATION DATE

Bibhu Prasad MOHANTY

Done at SAN JOSE, CA, on 9/19/2012
LOCATION DATE


Etan Gur COHEN