503093124 12/09/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3139730

SUBMISSION TYPE:		NEW ASSIGNMENT		
ATURE OF CONVEYAN	ICE:	ASSIGNMENT		
CONVEYING PARTY D	ATA			
		Name	Execution Date	
ABHISHEK PRAMOD P	ATIL		10/10/2014	
GEORGE CHERIAN			11/17/2014	
SANTOSH PAUL ABRAI	HAM		10/30/2014	
RECEIVING PARTY DA	ТА			
Name:	QUALCOMM INCORPORATED			
Street Address:	5775 MOREHOUSE DRIVE			
City:	SAN DIEGO			
State/Country:	CALIFORNIA			
Postal Code:	92121-1714			
Property Type		Number		
Property Type		Number		
Application Number: 14		7851		
Application Number: 618		7858		
Application Number: 6196		9652		
CORRESPONDENCE D	ΑΤΑ			
		760-9502		
		e-mail address first; if that is unsu		
• •		hat is unsuccessful, it will be sent v zeo 0404	via US Mail.	
Phone: Email:	949-760-0404 matt.tupper@knobbe.com			
Correspondent Name:		M. NELSON		
Address Line 1:		MAIN STREET		
Address Line 2:		I FLOOR		
Address Line 4: IRVINE, CALIFORNIA 92614				
ATTORNEY DOCKET NU	IMBER:	QTELE.048A / 134935		

Total Attachments: 9

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ASSIGNMENT

WHEREAS, WE,

1. Abhishek Pramod Patil, a citizen of India, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121, and a resident of San Diego, CA,

2. George Cherian, a citizen of The United States of America, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121, and a resident of San Diego, CA,

3. Santosh Paul Abraham, a citizen of The United States of America, 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 a SYSTEM AND METHOD FOR MULTIHOP SERVICE DISCOVERY WITH MEMBER STATION PROXY SERVICE ADVERTISEMENTS (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). 14/457,851, filed August 12, 2014, Qualcomm Reference No. 134935, and all provisional applications relating thereto, together with U.S. Provisional Application No(s). 61/877.858, filed September 13, 2013, Qualcomm Reference No. 134935P1, and 61/969,652, filed March 24, 2014, Qualcomm Reference No. 134935P2 (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;

Page 2 of 3

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;

PATENT QUALCOMM Ref. No. 134935

Page 3 of 3

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

Done at _	San Diego LOCATION	, on <u>10/10</u>	<u>) 4</u>	Abhishek Pramod Patil
	LALAIN	Un	Υ.	276 (72) 4.740 (5) 4. 6 34346 (74 6 6 6 6 7 5
Done at	1.000 4.000033	, on	7752	George Cherian
	LOCATION	D9	31	eren ke emerian
Done at		, on		
	LOCATION	DA	TE	Santosh Paul Abraham

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Page 1 of 3

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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), 14/457,851, filed August 12, 2014. Qualcomm Reference No. 134935, and all provisional applications relating thereto, together with U.S. Provisional Application No(s). 61/877,858, filed September 13, 2013, Qualcomm Reference No. 134935P1, and 61/969,652, filed March 24, 2014. Qualcomm Reference No. 134935P2 (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;

Page 2 of 3

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;

PATENT QUALCOMM Ref. No. 134935

Page 3 of 3

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

Done at _____, on _____ LOCATION DATE

Abhishek Pramod Patil

Done at S_{AB} $0^{i}eq_{A}$, on $\frac{11/13}{14}$

George Cherian

Done at _____, on _____

Santosh Paul Abraham

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Page 1 of 3

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PATENT QUALCOMM Ref. No. 134935

Page 3 of 3

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Done at	, on		
	LOCATION	DATE	Abhishek Pramod Patil
Done at	, on,	DATE	George Cherian
Done at	SAN DIFGO, on	10/30/2010	4-4-6
	LOCATION	DATE	Santosh Paul Abraham

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RECORDED: 12/09/2014