

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3344652

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
LI LIU	05/07/2013
PRAVEEN-KUMAR SAMPATH	05/09/2013
LAI KAN LEUNG	05/15/2013
CHIEWCHARN NARATHONG	05/07/2013
SOON-SENG LAU	05/07/2013
KETAN HUMNABADKAR	05/30/2013
RAGHU NARAYAN CHALLA	05/15/2013
DEVAVRATA VASANT GODBOLE	05/15/2013
RECEIVING PARTY DATA	
Name:	QUALCOMM INCORPORATED
Street Address:	5775 MOREHOUSE DRIVWE
City:	SAN DIEGO
State/Country:	CALIFORNIA
Postal Code:	92121-1714
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13829232
CORRESPONDENCE DATA	
Fax Number:	(713)623-4846
<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:	(713) 623-4844
Email:	mmiles@pattersonsheridan.com, psdocketing@pattersonsheridan.com
Correspondent Name:	PATTERSON & SHERIDAN, LLP
Address Line 1:	24 GREENWAY PLAZA
Address Line 2:	SUITE 1600
Address Line 4:	HOUSTON, TEXAS 77046
ATTORNEY DOCKET NUMBER:	123771US
NAME OF SUBMITTER:	RANDOL W. READ

SIGNATURE:	/Randol W. READ/
DATE SIGNED:	05/08/2015
Total Attachments: 10 source=123771_Assignment#page1.tif source=123771_Assignment#page2.tif source=123771_Assignment#page3.tif source=123771_Assignment#page4.tif source=123771_Assignment#page5.tif source=123771_Assignment#page6.tif source=123771_Assignment#page7.tif source=123771_Assignment#page8.tif source=123771_Assignment#page9.tif source=123771_Assignment#page10.tif	

ASSIGNMENT

WHEREAS, WE,

1. Li Liu, 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,
2. Praveen-Kumar Sampath, 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,
3. Lai Kan Leung, a citizen of Hong Kong, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121-1714 and a resident of San Marcos, CA,
4. Chiewcharn Narathong, 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 Laguna Niguel, CA,
5. Soon-Seng Lau, 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,
6. Ketan Humnabadkar, 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. Raghu Narayan Challa, 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,
8. Devavrata Vasant Godbole, a citizen of India, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121-1714 and a resident of Carlsbad, 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 Phase Detection and Correction for Non-Continuous Local Oscillator Generator (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). 13/829,232 filed March 14, 2013, QUALCOMM Reference No. 123771, and all provisional applications relating thereto, (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;

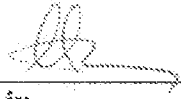
AND WE further do acknowledge and agree that WE have sold, assigned, conveyed, and transferred, and by these presents do hereby sell, assign, convey, and transfer, unto ASSIGNEE, its successors, its legal representatives, and its assigns, all rights of priority under International Conventions, Treaties, 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.

Done at San Diego, on 5/2/2013 
LOCATION DATE Li Liu

Done at _____, on _____
LOCATION DATE Praveen-Kumar Sampath

Done at _____, on _____
LOCATION DATE Lai Kan Leung

Done at _____, on _____
LOCATION DATE Chiewcharn Narathong

Done at _____, on _____
LOCATION DATE Soon-Seng Lau

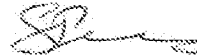
Done at _____, on _____
LOCATION DATE Ketan Humnabadkar

Done at _____, on _____
LOCATION DATE Raghu Narayan Challa

Done at _____, on _____
LOCATION DATE Devavrata Vasant Godbole

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 _____, on _____
LOCATION DATE Li Liu

Done at SAN DIEGO, on 05/09/2013
LOCATION DATE 
Praveen-Kumar Sampath

Done at _____, on _____
LOCATION DATE Lai Kan Leung

Done at _____, on _____
LOCATION DATE Chiewcharn Narathong

Done at _____, on _____
LOCATION DATE Soon-Seng Lau

Done at _____, on _____
LOCATION DATE Ketan Humnabadkar

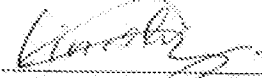
Done at _____, on _____
LOCATION DATE Raghu Narayan Challa

Done at _____, on _____
LOCATION DATE Devavrata Vasant Godbole

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Done at _____, on _____
LOCATION DATE Li Liu

Done at _____, on _____
LOCATION DATE Praveen-Kumar Sampath

Done at San Diego, on 5/15/2013
LOCATION DATE 
Lai Kan Leung

Done at _____, on _____
LOCATION DATE Chiewcharn Narathong

Done at _____, on _____
LOCATION DATE Soon-Seng Lau

Done at _____, on _____
LOCATION DATE Ketan Humnabadkar

Done at _____, on _____
LOCATION DATE Raghu Narayan Challa


Done at _____, on _____
LOCATION DATE Devavrata Vasant Godbole

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Done at _____, on _____
LOCATION DATE Li Liu

Done at _____, on _____
LOCATION DATE Praveen-Kumar Sampath

Done at _____, on _____
LOCATION DATE Lai Kan Leung

Done at San Diego, on 5/7/2013
LOCATION DATE 
Chiewcharn Narathong

Done at _____, on _____
LOCATION DATE Soon-Seng Lau

Done at _____, on _____
LOCATION DATE Ketan Humnabadkar

Done at _____, on _____
LOCATION DATE Raghu Narayan Challa

Done at _____, on _____
LOCATION DATE Devavrata Vasant Godbole

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Done at _____, on _____
LOCATION DATE Li Liu

Done at _____, on _____
LOCATION DATE Praveen-Kumar Sampath

Done at _____, on _____
LOCATION DATE Lai Kan Leung

Done at _____, on _____
LOCATION DATE Chiewcharn Narathong

Done at San Diego, on 5/7/2013
LOCATION DATE Soon Seng Lau
Soon-Seng Lau

Done at _____, on _____
LOCATION DATE Ketan Humnabadkar

Done at _____, on _____
LOCATION DATE Raghu Narayan Challa

Done at _____, on _____
LOCATION DATE Devavrata Vasant Godbole

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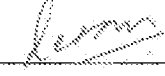
Done at _____, on _____
LOCATION DATE Li Liu

Done at _____, on _____
LOCATION DATE Praveen-Kumar Sampath

Done at _____, on _____
LOCATION DATE Lai Kan Leung

Done at _____, on _____
LOCATION DATE Chiewcharn Narathong

Done at _____, on _____
LOCATION DATE Soon-Seng Lau

Done at SAN DIEGO, on 05/30/2013
LOCATION DATE 
Ketan Humnabadkar

Done at _____, on _____
LOCATION DATE Raghunathan Challa

Done at _____, on _____
LOCATION DATE Devavrata Vasant Godbole

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 _____, on _____
LOCATION DATE **Li Liu**

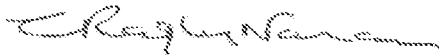
Done at _____, on _____
LOCATION DATE **Praveen-Kumar Sampath**

Done at _____, on _____
LOCATION DATE **Lai Kan Leung**

Done at _____, on _____
LOCATION DATE **Chiewcharn Narathong**

Done at _____, on _____
LOCATION DATE **Soon-Seng Lau**

Done at _____, on _____
LOCATION DATE **Ketan Humnabadkar**

Done at San Diego, on 5/15/2013
LOCATION DATE 
Raghu Narayan Challa

Done at _____, on _____
LOCATION DATE **Devavrata Vasant Godbole**

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 _____, on _____
LOCATION DATE Li Liu

Done at _____, on _____
LOCATION DATE Praveen-Kumar Sampath

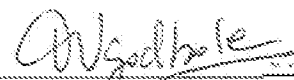
Done at _____, on _____
LOCATION DATE Lai Kan Leung

Done at _____, on _____
LOCATION DATE Chiewcharn Narathong

Done at _____, on _____
LOCATION DATE Soon-Seng Lau

Done at _____, on _____
LOCATION DATE Ketan Humnabadkar

Done at _____, on _____
LOCATION DATE Raghu Narayan Challa

Done at San Diego, on May 15th 2013
LOCATION DATE 
Devavrata Vasant Godbole