# 503542294 10/27/2015

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT3588921 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

# **CONVEYING PARTY DATA**

Name	Execution Date
VENKATESH KRISHNAN	09/24/2015
VIVEK RAJENDRAN	09/25/2015
SANDIP SARKAR	10/26/2015
SUBASINGHA SHAMINDA SUBASINGHA	10/12/2015
VENKATRAMAN S. ATTI	10/14/2015

# **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:	14809085		

# **CORRESPONDENCE DATA**

**Fax Number:** (512)327-5575

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.

Phone: 512-327-5515

Email: jsmith@tlgiplaw.com

Correspondent Name: TOLER LAW GROUP, PC

Address Line 1: 8500 BLUFFSTONE COVE

Address Line 4: AUSTIN, TEXAS 78759

ATTORNEY DOCKET NUMBER: 144953U1

NAME OF SUBMITTER: JASON D. SMITH

SIGNATURE: /Jason D. Smith/

DATE SIGNED: 10/27/2015

**Total Attachments: 15** 

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PATENT REEL: 036895 FRAME: 0106

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WHEREAS, WE,

- 1. Venkatesh KRISHNAN, a citizen of the 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. Vivek RAJENDRAN, 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. Sandip SARKAR, a citizen of the 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,
- 4. Subasingha Shaminda SUBASINGHA, a citizen of Sri Lanka, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121-1714 and a resident of San Diego, CA,
- 5. Venkatraman S. ATTI, 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,

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 SYSTEM AND METHOD OF REDUNDANCY BASED PACKET TRANSMISSION ERROR RECOVERY (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). 14/809,085 filed July 24, 2015, Qualcomm Reference No. 144953U1, and all provisional applications relating thereto, together with U.S. Provisional Application No(s). 62/031,675, filed 7/31/2014, Qualcomm Reference No. 144953P1, (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

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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;

Done at ANDIE	Lo, on _	9 24 20 DATE	Venkatesh KRISHNAN
Done atLOCATIO	, on ON	DATE	Vivek RAJENDRAN
Done atLOCATIO	, on	DATE	Sandip SARKAR
Done atLOCATIO	, on	DATE	Subasingha Shaminda SUBASINGHA
Done atLOCATIO	, on	DATE	Venkatraman S. ATTI

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Done at		, on		
	LOCATION		DATE	Venkatesh KRISHNAN
Done at	SAN DIEGO	, on _	9/25/15 DATE	VIVel
	LOCATION		DATE	Vivek RAJENDRAN
Done at		, on	DATE	
	LOCATION		DATE	Sandip SARKAR
Done at	·····	, on _	DATE	
	LOCATION		DATE	Subasingha Shaminda SUBASINGHA
Dono of				
Done at	LOCATION	, on _	To 1 2000	
	LOCATION		DATE	Venkatraman S. ATTI

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on		
LOCATION	DATE	Venkatesh KRISHNAN
, on		
LOCATION	DATE	Vivek RAJENDRAN
LOCATION	10/26/15 DATE	Sandip SARKAR
LOCATION , On	DATE	Subasingha Shaminda SUBASINGHA
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Done at _		, on	
	LOCATION	DATE	Venkatesh KRISHNAN
Done at _		_, on	
	LOCATION	DATE	Vivek RAJENDRAN
Done at _		, on	
	LOCATION	DATE	Sandip SARKAR
Done at	LunDiego	on 10/12/2015	And Roberts
	Locati <b>ó</b> n	бате бате	Subasingha Shaminda SUBASINGHA
Done at _		, on	
	LOCATION	DATE	Venkatraman S. ATTI

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Done at _	on,		
	LOCATION	DATE	Venkatesh KRISHNAN
Done at	, on		Vivek RAJENDRAN
	LOCATION	DATE	Vivek RAJENDRAN
Done at	, on		
was and and	LOCATION	DATE	Sandip SARKAR
Done at	, on		
	LOCATION	DATE	Subasingha Shaminda SUBASINGHA
Done at	Sin deces , on	solis ling	Venkátraman S. ATTI
	LOCATION	DATE	Venkatraman S. ATTI

PATENT REEL: 036895 FRAME: 0122

**RECORDED: 10/27/2015**