PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Pranav Dayal	09/21/2011
Jibing Wang	09/26/2011
Ashok Mantravadi	09/21/2011
Tamer Adel Kadous	09/22/2011

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:	13237185	

CORRESPONDENCE DATA

Fax Number: (310)201-5219 Phone: 310-277-7200

Email: qualcomm-uspto@seyfarth.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: Alan M. Lenkin

Address Line 1: 2029 Century Park East

Address Line 2: Suite 3500

Address Line 4: Los Angeles, CALIFORNIA 90067-3063

ATTORNEY DOCKET NUMBER: 102625

NAME OF SUBMITTER: Alan M. Lenkin

PATENT

REEL: 027013 FRAME: 0100

1323718

Total Attachments: 9 source=102625_Signed_ASST#page1.tif source=102625_Signed_ASST#page2.tif source=102625_Signed_ASST#page3.tif source=102625_Signed_ASST#page4.tif source=102625_Signed_ASST#page5.tif source=102625_Signed_ASST#page6.tif source=102625_Signed_ASST#page7.tif source=102625_Signed_ASST#page8.tif source=102625_Signed_ASST#page9.tif

ASSIGNMENT

WHEREAS, WE,

- 1. Pranav Dayal, a citizen of India, having a mailing address located at 5775 Morehouse Drive, San Diego, California, 92121, and a resident of San Diego, California, US,
- 2. **Jibing Wang,** a citizen of China, having a mailing address located at 5775 Morehouse Drive, San Diego, California, 92121, and a resident of San Diego, California, US,
- 3. Ashok Mantravadi, a citizen of United States of America, having a mailing address located at 5775 Morehouse Drive, San Diego, California, 92121, and a resident of San Diego, California, US,
- 4. Tamer Adel Kadous, a citizen of Egypt, having a mailing address located at 5775 Morehouse Drive, San Diego, California, 92121, and a resident of San Diego, California, US,

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 **BUFFER STATUS REPORT CONTROL FOR CREATING TRANSMISSION GAPS** (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). 13/237,185 filed September 20, 2011, Qualcomm Reference No. 102625, and all provisional applications relating thereto together with U.S. Provisional Application No(s). 61/384,993, filed September 21, 2010, Qualcomm Reference No. 102625P1, (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. 102625 Page 3 of 3

Done at∫	m Dego	_, on	09/21/11	Toronau Dayul
\	LOCATION ^{L)}	············	DATE	Pranav Dayal
Done at		, on		
· ·	LOCATION	-	DATE	Jibing Wang
Done at		, on		
•	LOCATION		DATE	Ashok Mantravadi
Done at		. on		
	LOCATION		DATE	Tamer Adel Kadous

ASSIGNMENT

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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.

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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. 102625 Page 3 of 3

Done at		, on			
-	LOCATION		DATE	Pranav Dayal	
Done at	US/A	, on	09/26/11	<u> </u>	
	LOCATION		DATE	Jibing Wang	
Done at		, on			
	LOCATION		DATE	Ashok Mantravadi	
Done at _		_, on			
	LOCATION		DATE	Tamer Adel Kadous	

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PATENT QUALCOMM Ref. No. 102625 Page 3 of 3

Done at _	·	, on	·
	LOCATION	DATE	Pranav Dayal
Done at _			
	LOCATION	DATE	Jibing Wang
Done at _	San Olego LOCATION	on 69/21/11 DATE	Ashok Mantravadi
Done at _	GRC LOCATION	, on <u>09-22-2</u> 011	Tamer Adel Kadous

PATENT REEL: 027013 FRAME: 0110

RECORDED: 10/04/2011