PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:		NEW ASSIGNMENT	
NATURE OF CONVEYANCE:		ASSIGNMENT	
CONVEYING PARTY DATA			
		Name	Execution Date
Jaber Mohammad Bo	rran		03/27/2010
Aamod Dinkar Khand	ekar		03/31/2010
RECEIVING PARTY DATA			
Name: QUALCOMM Incorporated			
Street Address:	5775 Morehouse D	rive	
City:	San Diego		
State/Country:	CALIFORNIA		
Postal Code:	92121-1714		
PROPERTY NUMBER	RS Total: 1		
Property Type		Number	
Application Number: 12725		- /	
Application Number:	12/2	5157	
CORRESPONDENCE		5157	
CORRESPONDENCE	DATA (858)658-250		
CORRESPONDENCE	DATA (858)658-250	2 When the fax attempt is unsuccessful.	
CORRESPONDENCE Fax Number: <i>Correspondence will E</i> Phone: Email:	DATA (858)658-250 be sent via US Mail v (858) 651-520 usdocketing@	2 when the fax attempt is unsuccessful. 5 gqualcomm.com	
CORRESPONDENCE Fax Number: <i>Correspondence will b</i> Phone: Email: Correspondent Name:	DATA (858)658-250; be sent via US Mail v (858) 651-520 usdocketing@ : QUALCOMM	2 <i>when the fax attempt is unsuccessful.</i> 5 gqualcomm.com Incorporated	
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CORRESPONDENCE Fax Number: <i>Correspondence will b</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4:	DATA (858)658-250 be sent via US Mail v (858) 651-520 usdocketing@ : QUALCOMM 5775 Morehou San Diego, C/	2 <i>when the fax attempt is unsuccessful.</i> 5 gqualcomm.com Incorporated Ise Drive ALIFORNIA 92121-1714	

PATENT REEL: 024207 FRAME: 0508

TO WHOM IT MAY CONCERN:

For the sum of One Dollar and other valuable consideration to us in hand paid, receipt of which is hereby acknowledged, be it known that We,

1. Jaber Mohammad Borran, a citizen of the United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of San Diego, California, United States of America,

2. Aamod Dinkar Khandekar, a citizen of India, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of San Diego, California, United States of America,

have sold, assigned and transferred and by these presents do sell, assign, transfer and set over unto QUALCOMM Incorporated, a Delaware corporation, having a place of business at 5775 Morehouse Drive, San Diego, California 92121-1714, its successors, legal representatives, or assigns, the entire right, title and interest in and to a certain invention relating to **ASSOCIATION WITH LEAKAGE-BASED METRICS IN A WIRELESS NETWORK** by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on **March 16, 2010**, and assigned Serial No. 12/725,157, including Provisional Application Number 61/161,655, filed on **March 19, 2009**, and all original and reissue patents granted thereof (in the United States and any foreign country), and all divisionals, continuations and continuations-in-part thereof, including the subject matter of any and all claims which may be obtained in every such patent, and all foreign rights to said invention, and covenant that we have full right to do so, and agree that we will communicate to said corporation or its representatives all facts known to us respecting said invention, whenever requested, and

> PATENT REEL: 024207 FRAME: 0509

testify in any legal proceedings, sign all lawful papers, make all rightful oaths and generally do everything possible to aid said corporation, its successors, assigns and nominees, to obtain and enforce proper patent protection for said invention in all countries.

The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

Done at San Diego, California this 27^{th} day of March, 2010.

Jabre M Roman Jaber Mohammad Borran

Done at San Diego, California this _____ day of _____, 2010.

Aamod Dinkar Khandekar

PATENT REEL: 024207 FRAME: 0510

TO WHOM IT MAY CONCERN:

For the sum of One Dollar and other valuable consideration to us in hand paid, receipt of which is hereby acknowledged, be it known that We,

1. Jaber Mohammad Borran, a citizen of the United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of San Diego, California, United States of America,

Aamod Dinkar Khandekar, a citizen of India, having a mailing address of 5775
Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of San
Diego, California, United States of America,

have sold, assigned and transferred and by these presents do sell, assign, transfer and set over unto QUALCOMM Incorporated, a Delaware corporation, having a place of business at 5775 Morehouse Drive, San Diego, California 92121-1714, its successors, legal representatives, or assigns, the entire right, title and interest in and to a certain invention relating to **ASSOCIATION WITH LEAKAGE-BASED METRICS IN A WIRELESS NETWORK** by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on **March 16, 2010**, and assigned Serial No. 12/725,157, including Provisional Application Number 61/161,655, filed on **March 19, 2009**, and all original and reissue patents granted thereof (in the United States and any foreign country), and all divisionals, continuations and continuations-in-part thereof, including the subject matter of any and all claims which may be obtained in every such patent, and all foreign rights to said invention, and covenant that we have full right to do so, and agree that we will communicate to said corporation or its representatives all facts known to us respecting said invention, whenever requested, and

testify in any legal proceedings, sign all lawful papers, make all rightful oaths and generally do everything possible to aid said corporation, its successors, assigns and nominees, to obtain and enforce proper patent protection for said invention in all countries.

The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

Done at San Diego, California this _____ day of _____, 2010.

Jaber Mohammad Borran

Done at San Diego, California this 31th day of March, 2010.

Aamod Dinkar Khandekar