

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Fuyun Ling	11/20/2006
Murali Ramaswamy Chari	12/05/2006
Rajiv Vijayan	11/22/2006
Ashok Mantravadi	11/30/2006
Alok Kumar Gupta	11/28/2006
Krishna Kiran Mukkavilli	11/23/2006
Michael Mao Wang	11/27/2006
Bojan Vrcelj	11/27/2006
Bruce Collins	11/27/2006

RECEIVING PARTY DATA

Name:	QUALCOMM Incorporated
Street Address:	5775 Morehouse Drive
City:	San Diego
State/Country:	CALIFORNIA
Postal Code:	92121

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11495480

CORRESPONDENCE DATA

Fax Number: (858)845-2550

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 858-845-2204

Email: pparks@qualcomm.com

Correspondent Name: Patricia Parks

Address Line 1: 5775 Morehouse Drive

Address Line 2: AF-210D

PATENT

500194011

REEL: 018634 FRAME: 0936

CH \$40.00 11495480

Address Line 4: San Diego, CALIFORNIA 92121

ATTORNEY DOCKET NUMBER:

051081U1

NAME OF SUBMITTER:

Albert J. Harnois, Jr.

Total Attachments: 10

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ASSIGNMENT

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 **FUYUN LING**, a citizen of the United States of America having a place of residence at 17264 Sangallo Lane, San Diego, CA 92127; **MURALI RAMASWAMY CHARI**, a citizen of the United States of America having a place of residence at 11723 Springside Road, San Diego, CA 92128; **RAJIV VIJAYAN**, a citizen of the United States of America having a place of residence at 9604 Babauta Road, San Diego, CA 92129; **ASHOK MANTRAVADI**, a citizen of India having a place of residence at 8730 Costa Verde Blvd. #2351, San Diego, CA 92122; **ALOK KUMAR GUPTA**, a citizen of the United States having a place of residence at 1197 Via Di Felicita, Encinitas, CA 92024; **KRISHNA KIRAN MUKKAVILLI**, a citizen of India having a place of residence at 7164 Schilling Avenue #43, San Diego, CA 92126; **MICHAEL MAO WANG**, a citizen of the United States of America having a place of residence at 8514 Rumex Lane, San Diego, CA 92129; **BOJAN VRCELJ**, a citizen of Yugoslavia having a place of residence at 7532 Charmant Drive #335, San Diego, CA 92122; and **BRUCE COLLINS**, a citizen of the United States of America having a place of residence at 11730 Angelique Street, San Diego, CA 92131; 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 whole right, title and interest in and to a certain invention relating to:

SYSTEM AND METHOD FOR A FORWARD LINK ONLY PHYSICAL LAYER

by us devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on **July 27, 2006**, and assigned Serial No. **11/495,480**, including, without limitation, all provisional patent applications, including Serial No. 60/703,315, filed July 27, 2005, and all original and reissue patents granted thereof, and all

divisions, and continuations 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 22 day of November, 2006.


FUYUN LING

Done at San Diego, California this _____ day of _____, 2006.

MURALI RAMASWAMY CHARI

Done at San Diego, California this _____ day of _____, 2006.

RAJIV VIJAYAN

Done at San Diego, California this _____ day of _____, 2006.

ASHOK MANTRAVADI

divisions, and continuations 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 _____, 2006.

FUYUN LING

Done at San Diego, California this 5th day of December 2006.



MURALI RAMASWAMY CHARI

Done at San Diego, California this _____ day of _____, 2006.

RAJIV VIJAYAN

Done at San Diego, California this _____ day of _____, 2006.

ASHOK MANTRAVADI

divisions, and continuations 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 _____, 2006.

FUYUN LING

Done at San Diego, California this _____ day of _____, 2006.

MURALI RAMASWAMY CHARI

Done at San Diego, California this 22nd day of November, 2006.

RAJIV VIJAYAN

Done at San Diego, California this _____ day of _____, 2006.

ASHOK MANTRAVADI

divisions, and continuations 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 _____, 2006.

FUYUN LING

Done at San Diego, California this _____ day of _____, 2006.

MURALI RAMASWAMY CHARI

Done at San Diego, California this _____ day of _____, 2006.

RAJIV VIJAYAN

Done at San Diego, California this 30 day of November, 2006.


ASHOK MANTRAVADI

Done at San Diego, California this 28 day of Nov., 2006.



ALOK KUMAR GUPTA

Done at San Diego, California this _____ day of _____, 2006.

KRISHNA KIRAN MUKKAVILLI

Done at San Diego, California this _____ day of _____, 2006.

MICHAEL MAO WANG

Done at San Diego, California this _____ day of _____, 2006.

BOJAN VRCELJ

Done at San Diego, California this _____ day of _____, 2006.

BRUCE COLLINS

Done at San Diego, California this _____ day of _____, 2006.

ALOK KUMAR GUPTA

Done at San Diego, California this 23 day of November, 2006.



KRISHNA KIRAN MUKKAVILLI

Done at San Diego, California this _____ day of _____, 2006.

MICHAEL MAO WANG

Done at San Diego, California this _____ day of _____, 2006.

BOJAN VRCELJ

Done at San Diego, California this _____ day of _____, 2006.

BRUCE COLLINS

Done at San Diego, California this _____ day of _____, 2006.

ALOK KUMAR GUPTA

Done at San Diego, California this _____ day of _____, 2006.

KRISHNA KIRAN MUKKAVILLI

Done at San Diego, California this 27th day of Nov., 2006.



MICHAEL MAO WANG

Done at San Diego, California this _____ day of _____, 2006.

BOJAN VRCELJ

Done at San Diego, California this _____ day of _____, 2006.

BRUCE COLLINS

Done at San Diego, California this _____ day of _____, 2006.

ALOK KUMAR GUPTA

Done at San Diego, California this _____ day of _____, 2006.

KRISHNA KIRAN MUKKAVILLI

Done at San Diego, California this _____ day of _____, 2006.

MICHAEL MAO WANG

Done at San Diego, California this 27th day of November, 2006.



BOJAN VRCELJ

Done at San Diego, California this _____ day of _____, 2006.

BRUCE COLLINS

Done at San Diego, California this _____ day of _____, 2006.

ALOK KUMAR GUPTA

Done at San Diego, California this _____ day of _____, 2006.

KRISHNA KIRAN MUKKAVILLI

Done at San Diego, California this _____ day of _____, 2006.

MICHAEL MAO WANG

Done at San Diego, California this _____ day of _____, 2006.

BOJAN VRCELJ

Done at San Diego, California this 27 day of November, 2006.



BRUCE COLLINS