

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT																						
NATURE OF CONVEYANCE:	ASSIGNMENT																						
CONVEYING PARTY DATA																							
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Sharad Deepak Sambhwani</td><td>05/27/2009</td></tr><tr><td>Wei Zeng</td><td>04/28/2009</td></tr><tr><td>Yibo Jiang</td><td>04/16/2009</td></tr><tr><td>Lu Yuan</td><td>04/10/2009</td></tr><tr><td>Mehmet Yavuz</td><td>04/27/2009</td></tr><tr><td>Pavan Kumar Vitthaladevuni</td><td>04/15/2009</td></tr><tr><td>Bibhu P. Mohanty</td><td>04/28/2009</td></tr><tr><td>Danlu Zhang</td><td>04/10/2009</td></tr><tr><td>Aziz Gholmieh</td><td>04/10/2009</td></tr><tr><td>Arjun Bharadwaj</td><td>05/01/2009</td></tr></tbody></table>		Name	Execution Date	Sharad Deepak Sambhwani	05/27/2009	Wei Zeng	04/28/2009	Yibo Jiang	04/16/2009	Lu Yuan	04/10/2009	Mehmet Yavuz	04/27/2009	Pavan Kumar Vitthaladevuni	04/15/2009	Bibhu P. Mohanty	04/28/2009	Danlu Zhang	04/10/2009	Aziz Gholmieh	04/10/2009	Arjun Bharadwaj	05/01/2009
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RECEIVING PARTY DATA																							
<table border="1"><tr><td>Name:</td><td>QUALCOMM Incorporated</td></tr><tr><td>Street Address:</td><td>5775 Morehouse Drive</td></tr><tr><td>City:</td><td>San Diego</td></tr><tr><td>State/Country:</td><td>CALIFORNIA</td></tr><tr><td>Postal Code:</td><td>92121-1714</td></tr></table>		Name:	QUALCOMM Incorporated	Street Address:	5775 Morehouse Drive	City:	San Diego	State/Country:	CALIFORNIA	Postal Code:	92121-1714												
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PROPERTY NUMBERS Total: 1																							
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CORRESPONDENCE DATA																							
Fax Number: (858)658-2502 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																							
Phone: (858) 651-5205																							
Email: patent.docketing.us@qualcomm.com																							
Correspondent Name: QUALCOMM Incorporated																							
Address Line 1: 5775 Morehouse Drive																							

CH \$40.00 12410154

500873289

PATENT
REEL: 022759 FRAME: 0074

Address Line 4: San Diego, CALIFORNIA 92121-1714

ATTORNEY DOCKET NUMBER:

081238

NAME OF SUBMITTER:

Marvin Jefferson

Total Attachments: 36

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ASSIGNMENT

TO WHOM IT MAY CONCERN:

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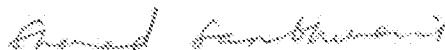
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10. Arjun Bharadwaj, a citizen of India, having a place of residence at 9085 Judicial Dive Apt #2328, San Diego, California, 92122, United States of America;

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 **REPORTING OF ACK AND CQI INFORMATION IN A WIRELESS COMMUNICATION SYSTEM** by us devised and the application for United States Patent therefore filed in the United States Patent

and Trademark Office on March 24, 2009, assigned Application Number 12/410,154, including, without limitation, all provisional patent applications, including Provisional Application Number 61/039,413 filed on March 25, 2008, and Provisional Application Number 61/049,993 filed on May 2, 2008, and Provisional Application Number 61/058,771 filed on June 4, 2008, and Provisional Application Number 61/087,021 filed on August 7, 2008, and Provisional Application Number 61/087,589 filed on August 8, 2008, and Provisional Application Number 61/088,480 filed on August 13, 2008, and Provisional Application Number 61/091,120 filed on August 22, 2008, and Provisional Application Number 61/097,682 filed on September 17, 2008, and all original and reissue patents granted thereof (in the United States and any foreign country), 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 27th day of MAY, 2009.



Sharad Deepak Sambhwani

Done at San Diego, California this _____ day of _____, 2009.

Wei Zeng

Done at San Diego, California this _____ day of _____, 2009.

Yibo Jiang

Done at San Diego, California this _____ day of _____, 2009.

Lu Yuan

Done at San Diego, California this _____ day of _____, 2009.

Mehmet Yavuz

Done at San Diego, California this _____ day of _____, 2009.

Pavan Kumar Vitthaladevuni

Done at San Diego, California this _____ day of _____, 2009.

Bibhu P. Mohanty

Done at San Diego, California this _____ day of _____, 2009.

Danlu Zhang

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Aziz Gholmieh

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Arjun Bharadwaj

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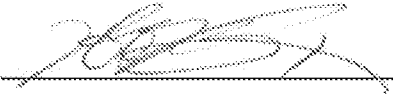
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Done at San Diego, California this _____ day of _____, 2009.

Sharad Deepak Sambhwani

Done at San Diego, California this 28th day of April, 2009.



Wei Zeng

Done at San Diego, California this _____ day of _____, 2009.

Yibo Jiang

Done at San Diego, California this _____ day of _____, 2009.

Lu Yuan

Done at San Diego, California this _____ day of _____, 2009.

Mehmet Yavuz

Done at San Diego, California this _____ day of _____, 2009.

Pavan Kumar Vitthaladevuni

Done at San Diego, California this _____ day of _____, 2009.

Bibhu P. Mohanty

Done at San Diego, California this ____ day of _____, 2009.

Danlu Zhang

Done at San Diego, California this ____ day of _____, 2009.

Aziz Gholmieh

Done at San Diego, California this ____ day of _____, 2009.

Arjun Bharadwaj

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Done at San Diego, California this _____ day of _____, 2009.

Sharad Deepak Sambhwani

Done at San Diego, California this _____ day of _____, 2009.

Wei Zeng

Done at San Diego, California this 16th day of April, 2009.



Yibo Jiang

Done at San Diego, California this _____ day of _____, 2009.

Lu Yuan

Done at San Diego, California this _____ day of _____, 2009.

Mehmet Yavuz

Done at San Diego, California this _____ day of _____, 2009.

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Done at San Diego, California this _____ day of _____, 2009.

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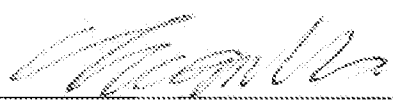
Done at San Diego, California this _____ day of _____, 2009.

Wei Zeng

Done at San Diego, California this _____ day of _____, 2009.

Yibo Jiang

Done at San Diego, California this 10th day of April, 2009.



Lu Yuan

Done at San Diego, California this _____ day of _____, 2009.

Mehmet Yavuz

Done at San Diego, California this _____ day of _____, 2009.

Pavan Kumar Vitthaladevuni

Done at San Diego, California this _____ day of _____, 2009.

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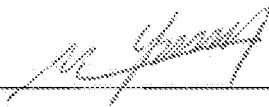
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1. Sharad Deepak Sambhwani, a citizen of the United States of America, having a place of residence at 5254 Foxborough Point, San Diego, California, 92130, United States of America;
2. Wei Zeng, a citizen of China, having a place of residence at 14478 Seabridge Lane, San Diego, California, 92128, United States of America;
3. Yibo Jiang, a citizen of China, having a place of residence at 10869 Caminito Alvarez, San Diego, California, 92126, United States of America;
4. Lu Yuan, a citizen of China, having a place of residence at 6008 Rancho Bravado, Carlsbad, California, 92009, United States of America;
5. Mehmet Yavuz, a citizen of the United States of America, having a place of residence at 3640 Torrey View Court, San Diego, California, 92130, United States of America;
6. Pavan Kumar Vitthaladevuni, a citizen of India, having a place of residence at 11004 Caminito Alvarez, San Diego, California, 92126, United States of America;
7. Bibhu P. Mohanty, a citizen of the United States of America, having a place of residence at 10716 Stallions Lane, San Diego, California, 92130, United States of America;
8. Danlu Zhang, a citizen of China, having a place of residence at 12061 World Trade Drive #4, San Diego, California, 92128, United States of America;
9. Aziz Gholmieh, a citizen of the United States of America, having a place of residence at 13884 Boquita Drive, Del Mar, California, 92014, United States of America; and
10. Arjun Bharadwaj, a citizen of India, having a place of residence at 9085 Judicial Dive Apt #2328, San Diego, California, 92122, 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 **REPORTING OF ACK AND CQI INFORMATION IN A WIRELESS COMMUNICATION SYSTEM** by us devised and the application for United States Patent therefore filed in the United States Patent

and Trademark Office on March 24, 2009, assigned Application Number 12/410,154, including, without limitation, all provisional patent applications, including Provisional Application Number 61/039,413 filed on March 25, 2008, and Provisional Application Number 61/049,993 filed on May 2, 2008, and Provisional Application Number 61/058,771 filed on June 4, 2008, and Provisional Application Number 61/087,021 filed on August 7, 2008, and Provisional Application Number 61/087,589 filed on August 8, 2008, and Provisional Application Number 61/088,480 filed on August 13, 2008, and Provisional Application Number 61/091,120 filed on August 22, 2008, and Provisional Application Number 61/097,682 filed on September 17, 2008, and all original and reissue patents granted thereof (in the United States and any foreign country), 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 _____ day of _____, 2009.

Sharad Deepak Sambhwani

Done at San Diego, California this _____ day of _____, 2009.

Wei Zeng

Done at San Diego, California this _____ day of _____, 2009.

Yibo Jiang


Done at San Diego, California this _____ day of _____, 2009.

Lu Yuan

Done at San Diego, California this _____ day of _____, 2009.

Mehmet Yavuz

Done at San Diego, California this 15 day of April, 2009.



Pavan Kumar Vitthaladevuni

Done at San Diego, California this _____ day of _____, 2009.

Bibhu P. Mohanty

Done at San Diego, California this _____ day of _____, 2009.

Danlu Zhang

Done at San Diego, California this _____ day of _____, 2009.

Aziz Gholmieh

Done at San Diego, California this _____ day of _____, 2009.

Arjun Bharadwaj

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Done at San Diego, California this _____ day of _____, 2009.

Sharad Deepak Sambhwani

Done at San Diego, California this _____ day of _____, 2009.

Wei Zeng

Done at San Diego, California this _____ day of _____, 2009.

Yibo Jiang

Done at San Diego, California this _____ day of _____, 2009.

Lu Yuan

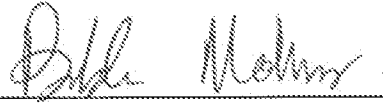
Done at San Diego, California this _____ day of _____, 2009.

Mehmet Yavuz

Done at San Diego, California this _____ day of _____, 2009.

Pavan Kumar Vitthaladevuni

Done at San Diego, California this 22nd day of April, 2009.



Bibhu P. Mohanty

Done at San Diego, California this _____ day of _____, 2009.

Danle Zhang

Done at San Diego, California this _____ day of _____, 2009.

Aziz Gholmieh

Done at San Diego, California this _____ day of _____, 2009.

Arjun Bharadwaj

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Sharad Deepak Sambhwani

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Wei Zeng

Done at San Diego, California this _____ day of _____, 2009.

Yibo Jiang

Done at San Diego, California this _____ day of _____, 2009.

Lu Yuan

Done at San Diego, California this _____ day of _____, 2009.

Mehmet Yavuz

Done at San Diego, California this _____ day of _____, 2009.

Pavan Kumar Vitthaladevuni

Done at San Diego, California this _____ day of _____, 2009.

Bibhu P. Mohanty

Done at San Diego, California this 10th day of April, 2009.



Danlu Zhang

Done at San Diego, California this 10th day of April, 2009.



Aziz Gholmiche

Done at San Diego, California this _____ day of _____, 2009.



Arjun Bharadwaj

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Yibo Jiang

Done at San Diego, California this _____ day of _____, 2009.

Lu Yuan

Done at San Diego, California this _____ day of _____, 2009.

Mehmet Yavuz

Done at San Diego, California this _____ day of _____, 2009.

Pavan Kumar Vitthaladevuni

Done at San Diego, California this _____ day of _____, 2009.

Bibhu P. Mohanty

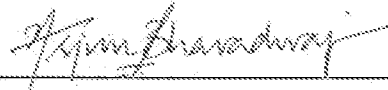
Done at San Diego, California this _____ day of _____, 2009.

Danlu Zhang

Done at San Diego, California this _____ day of _____, 2009.

Aziz Gholmieh

Done at San Diego, California this 1st day of MAY, 2009.



Arjun Bharadwaj