

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Sandip Sarkar	10/16/2008
Byoung-Hoon Kim	10/10/2008
Durga Prasad Malladi	10/14/2008
Juan Montojo	10/14/2008
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:	12189548
CORRESPONDENCE DATA	
Fax Number:	(858)658-2502
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	8586582389
Email:	US-Docketing@Qualcomm.com
Correspondent Name:	QUALCOMM Incorporated
Address Line 1:	5775 Morehouse Drive
Address Line 4:	San Diego, CALIFORNIA 92121-1714
ATTORNEY DOCKET NUMBER:	072129U2
NAME OF SUBMITTER:	Judy Bridgwater

Total Attachments: 6
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**PATENT
 REEL: 021705 FRAME: 0307**

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ASSIGNMENT

TO WHOM IT MAY CONCERN:

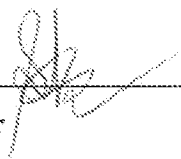
For the sum of One Dollar and other valuable consideration to us in hand paid, receipt of which is hereby acknowledged, be it known that We,

1. **Sandip Sarkar**, a citizen of India, having a place of residence at 11445 Wild Meadow Place, San Diego, CA 92131, US;
2. **Byoung-Hoon Kim**, a citizen of Korea, having a place of residence at Jamsil Tri-zium APT 333-dong 902-ho, Seoul, KR;
3. **Durga Prasad Malladi**, a citizen of the United States, having a place of residence at 11983 Briarleaf Way, San Diego, CA 92128, US; and
4. **Juan Montojo**, a citizen of Spain, having a place of residence at 13561 Lavender Way, San Diego, CA 92130, US,

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 **BEAMFORMING OF CONTROL 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 August 11, 2008, assigned Application Number **12/189,548**, including, without limitation, all provisional patent applications, including Provisional Application Number 60/956,106 filed on August 15, 2007, 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 this 16 day of Oct, 2008.



Sandip Sarkar

Done at _____ this _____ day of _____, 2008.

Byoung-Hoon Kim

Done at _____ this _____ day of _____, 2008.

Durga Prasad Malladi

Done at _____ this _____ day of _____, 2008.

Juan Montojo

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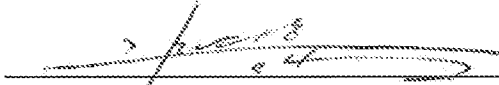
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The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

Done at _____ this _____ day of _____, 2008.

Sandip Sarkar

Done at Seoul this 10th day of October, 2008.



Byoung-Hoon Kim

Done at _____ this _____ day of _____, 2008.

Durga Prasad Malladi

Done at _____ this _____ day of _____, 2008.

Juan Montojo

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Done at _____ this _____ day of _____, 2008.

Sandip Sarkar

Done at _____ this _____ day of _____, 2008.

Byoung-Hoon Kim

Done at San Diego this 14th day of Oct, 2008.

Durga Prasad Malladi

Done at San Diego this 14th day of Oct, 2008.

Juan Montojo