

PATENT ASSIGNMENT

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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>Sandip Sarkar</td><td>05/28/2003</td></tr><tr><td>Tao Chen</td><td>05/28/2003</td></tr><tr><td>Edward G. Tiedemann Jr.</td><td>05/30/2003</td></tr><tr><td>Peter Gaal</td><td>05/28/2003</td></tr></tbody></table>	Name	Execution Date	Sandip Sarkar	05/28/2003	Tao Chen	05/28/2003	Edward G. Tiedemann Jr.	05/30/2003	Peter Gaal	05/28/2003	
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Sandip Sarkar	05/28/2003										
Tao Chen	05/28/2003										
Edward G. Tiedemann Jr.	05/30/2003										
Peter Gaal	05/28/2003										
RECEIVING PARTY DATA											
Name:	QUALCOMM Incorporated										
Street Address:	5775 Morehouse Drive										
Internal Address:	Patent Department/Central Administration										
City:	San Diego										
State/Country:	CALIFORNIA										
Postal Code:	92121										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11349366</td></tr></tbody></table>	Property Type	Number	Application Number:	11349366							
Property Type	Number										
Application Number:	11349366										
CORRESPONDENCE DATA											
Fax Number:	(858)658-2502										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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Correspondent Name:	QUALCOMM INCORPORATED										
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ATTORNEY DOCKET NUMBER:	030132C1										
NAME OF SUBMITTER:	Rupit Patel										

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PATENT
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Total Attachments: 3

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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, **SANDIP SARKAR**, a citizen of India having a place of residence at **9414 GALVIN AVENUE, SAN DIEGO, CALIFORNIA 92126**; **TAO CHEN**, a citizen of the United States of America having a place of residence at **5415 HARVEST RUN DRIVE, SAN DIEGO, CALIFORNIA 92130**; **EDWARD G. TIEDEMANN Jr.**, a citizen of the United States of America having a place of residence at **656 BARRETTS MILL ROAD, CONCORD, MASSACHUSETTS 01742**; and **PETER GAAL**, a citizen of Hungary having a place of residence at **9515 EASTER WAY #6, SAN DIEGO, CALIFORNIA 92121**; 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 an **OPERATION OF A FORWARD LINK ACKNOWLEDGEMENT CHANNEL FOR THE REVERSE LINK DATA** by us devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on **01/10/2003**, and assigned Application Serial No. **10/341,329**, 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 28th day of May, 2003.


SANDIP SARKAR

Done at San Diego, California this 20th day of May, 2003.


TAO CHEN

Done at San Diego, California this _____ day of _____, 2003.

EDWARD G. TIEDEMANN Jr.

Done at San Diego, California this 28th day of May, 2003.


PETER GAAL

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 _____, 2003.

SANDIP SARKAR

Done at San Diego, California this _____ day of _____, 2003.

TAO CHEN

Done at Concord, Massachusetts this 30 day of May, 2003.



EDWARD G. TIEDEMANN Jr.

Done at San Diego, California this _____ day of _____, 2003.

PETER GAAL