

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Steven D. Cheng	01/05/2009
Fangqi Hu	01/05/2009
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:	12250179
CORRESPONDENCE DATA	
Fax Number:	(858)658-2502
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	858-845-4265
Email:	nanm@qualcomm.com
Correspondent Name:	QUALCOMM INCORPORATED
Address Line 1:	5775 MOREHOUSE DR.
Address Line 4:	SAN DIEGO, CALIFORNIA 92121
ATTORNEY DOCKET NUMBER:	080573
NAME OF SUBMITTER:	Leeanne Lawlor
Total Attachments: 2 source=080573_Assignment#page1.tif source=080573_Assignment#page2.tif	

CH \$40.00 12250179

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. Steven D. Cheng, a citizen of the United States, having a place of residence at 3945 Carmel Springs Way, San Diego California 92130;
2. Fangqi Hu, a citizen of the United States of America, having a place of residence at 11337 Ravensthorpe Way, San Diego, California 92131, 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 **METHODS AND SYSTEMS FOR EFFICIENT TLV MANAGEMENT** by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on October 13, 2008, and assigned Serial No. **12/250,179**, including any provisional applications, 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.

ASSIGNMENT

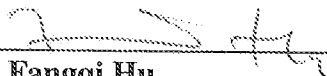
The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

Done at San Diego, California this 5th day of January, 2009.



Steven D. Cheng

Done at San Diego, California this 5th day of January, 2009.



Fangqi Hu