

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Roy Franklin QUICK Jr.</td> <td>09/17/2003</td> </tr> <tr> <td>Raymond T. HSU</td> <td>09/17/2003</td> </tr> <tr> <td>Michael-David Nakayoshi CANOY</td> <td>09/17/2003</td> </tr> </tbody> </table>		Name	Execution Date	Roy Franklin QUICK Jr.	09/17/2003	Raymond T. HSU	09/17/2003	Michael-David Nakayoshi CANOY	09/17/2003
Name	Execution Date								
Roy Franklin QUICK Jr.	09/17/2003								
Raymond T. HSU	09/17/2003								
Michael-David Nakayoshi CANOY	09/17/2003								
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>11504236</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11504236				
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Application Number:	11504236								
CORRESPONDENCE DATA									
Fax Number:	8586582502								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	858-845-4265								
Email:	us-docketing@qualcomm.com								
Correspondent Name:	QUALCOMM INCORPORATED								
Address Line 1:	5775 MOREHOUSE DR.								
Address Line 4:	SAN DIEGO, CALIFORNIA 92121								
ATTORNEY DOCKET NUMBER:	030271C1								
NAME OF SUBMITTER:	Cindy McClure								
Signature:	/Cindy McClure/								

Date:

05/13/2013

Total Attachments: 2

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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, **ROY FRANKLIN QUICK, Jr.**, a citizen of the United States of America having a place of residence at **1150 BARCELONA DRIVE, SAN DIEGO, CALIFORNIA 92107**; **RAYMOND T. HSU**, a citizen of the United States of America having a place of residence at **17775 PENNACOOK COURT, SAN DIEGO, CALIFORNIA 92127**; and **MICHAEL-DAVID NAKAYOSHI CANOY**, a citizen of the United States of America having a place of residence at **10340 WATERIDGE CIRCLE, #303 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 a **Reliable Reception of Broadcast/Multicast Content** by us devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on **05/16/2003**, and assigned Application Serial No. **10/439,594**, 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.

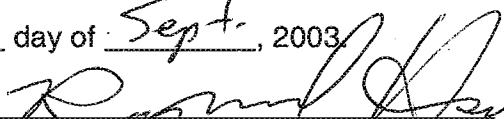
The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

Done at San Diego, California this 17 day of September, 2003.



ROY FRANKLIN QUICK, Jr.

Done at San Diego, California this 17 day of Sept., 2003.



RAYMOND T. HSU

Done at San Diego, California this 17 day of September, 2003.



MICHAEL-DAVID NAKAYOSHI CANOY