

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>Krishna Kiran Mukkavilli</td><td>12/01/2008</td></tr><tr><td>Ashok Mantravadi</td><td>12/08/2008</td></tr></tbody></table>	Name	Execution Date	Krishna Kiran Mukkavilli	12/01/2008	Ashok Mantravadi	12/08/2008	
Name	Execution Date						
Krishna Kiran Mukkavilli	12/01/2008						
Ashok Mantravadi	12/08/2008						
RECEIVING PARTY DATA							
Name:	QUALCOMM Incorporated						
Street Address:	5775 Morehouse Drive						
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>12165653</td></tr></tbody></table>	Property Type	Number	Application Number:	12165653			
Property Type	Number						
Application Number:	12165653						
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:	llawlor@qualcomm.com						
Correspondent Name:	QUALCOMM INCORPORATED						
Address Line 1:	5775 MOREHOUSE DR.						
Address Line 4:	SAN DIEGO, CALIFORNIA 92121						
ATTORNEY DOCKET NUMBER:	080683						
NAME OF SUBMITTER:	Leeanne Lawlor						
Total Attachments: 4 source=080683_Assignment#page1.tif source=080683_Assignment#page2.tif source=080683_Assignment#page3.tif							

CH 12165653 \$40.00

500725794

PATENT
REEL: 021950 FRAME: 0837

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. **Krishna Kiran Mukkavilli**, a citizen of India, having a place of residence at 11836 Cypress Canyon Road, #2, San Diego, California, 92131, US;

2 **Ashok Mantravadi**, a citizen of India, having a residence at 10695 Wexford Street, #6, 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

ENHANCEMENTS TO THE POSITIONING PILOT CHANNEL, by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on July 1, 2008, and assigned Serial No. **12/165,653**, 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 _____ this _____ day of _____, 2008.

Krishna Kiran Mukkavilli

Done at SAN DIEGO, CA this 8 day of December, 2008.



Ashok Mantravadi

ASSIGNMENT

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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,

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ASSIGNMENT

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Done at San Diego, CA this 01 day of December, 2008.

M. Krishna Kiran
Krishna Kiran Mukkavilli

Done at _____ this _____ day of _____, 2008.

Ashok Mantravadi