

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>Peter J. Black</td><td>12/22/2008</td></tr><tr><td>Mingxi Fan</td><td>02/02/2009</td></tr><tr><td>Sarut Vanichpun</td><td>06/03/2009</td></tr><tr><td>Mehmet Yavuz</td><td>12/24/2008</td></tr></tbody></table>		Name	Execution Date	Peter J. Black	12/22/2008	Mingxi Fan	02/02/2009	Sarut Vanichpun	06/03/2009	Mehmet Yavuz	12/24/2008
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Peter J. Black	12/22/2008										
Mingxi Fan	02/02/2009										
Sarut Vanichpun	06/03/2009										
Mehmet Yavuz	12/24/2008										
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											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12276906</td></tr></tbody></table>		Property Type	Number	Application Number:	12276906						
Property Type	Number										
Application Number:	12276906										
CORRESPONDENCE DATA											
Fax Number:	(858)658-2502										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	(858) 651-5205										
Email:	usdocketing@qualcomm.com										
Correspondent Name:	QUALCOMM Incorporated										
Address Line 1:	5775 Morehouse Drive										
Address Line 4:	San Diego, CALIFORNIA 92121-1714										
ATTORNEY DOCKET NUMBER:	080301										
NAME OF SUBMITTER:	Susan Turner										
Total Attachments: 7 source=080301_20090608_ASSIGN#page1.tif											

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PATENT
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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,

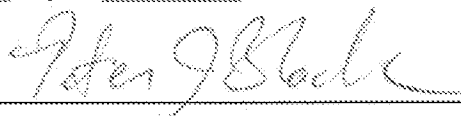
1. Peter J. Black, a citizen of Australia, having a place of residence at 1945 Sunset Boulevard, San Diego, California, 92103, United States of America;
2. Mingxi Fan, a citizen of the United States, having a place of residence at 3713 Caminito Carmel Landing, San Diego, California, 92130, United States of America;
3. Sarut Vanichpun, a citizen of Thailand, having a place of residence at 8680 New Salem Street #150, San Diego, California, 92126, United States of America; and
4. Mehmet Yavuz, a citizen of Turkey, having a place of residence at 3640 Torrey View Court, San Diego, California, 92130, United States of America;

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 **INTERFERENCE MANAGEMENT IN A WIRELESS COMMUNICATION SYSTEM USING FREQUENCY SELECTIVE TRANSMISSION** by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on November 24, 2008, assigned Application Number 12/276,906, including, without limitation, all provisional patent applications, including Provisional Application Number 60/990,541 filed on November 27, 2007, and Provisional Application Number 60/990,547 filed on November 27, 2007, and Provisional Application Number 60/990,459 filed on November 27, 2007, and Provisional Application Number 60/990,513 filed on November 27, 2007, and Provisional Application Number 60/990,564 filed on November 27, 2007, and Provisional Application Number 60/990,570 filed on November 27, 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, California this 22 day of Dec, 2008.



Peter J. Black

Done at San Diego, California this _____ day of _____, 2008.

Mingxi Fan

Done at San Diego, California this _____ day of _____, 2008.

Sarut Vanichpun

Done at San Diego, California this _____ day of _____, 2008.

Mehmet Yavuz

PATENT
Attorney Docket No. 080301

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Done at San Diego, California this _____ day of _____, 2008.

Peter J. Black

Done at San Diego, California this 2nd day of February, 2008.

Mingxi Fan

Done at San Diego, California this _____ day of _____, 2008.

Sarut Vanichpun

Done at San Diego, California this _____ day of _____, 2008.

Mehmet Yavuz

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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 _____, 2008.

Peter J. Black

Done at San Diego, California this _____ day of _____, 2008.

Mingxi Fan

Done at San Diego, California this 3 day of June, ²⁰⁰⁹~~2008~~.



Sarut Vanichpun

Done at San Diego, California this _____ day of _____, 2008.

Mehmet Yavuz

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Done at San Diego, California this _____ day of _____, 2008.

Peter J. Black

Done at San Diego, California this _____ day of _____, 2008.

Mingxi Fan

Done at San Diego, California this _____ day of _____, 2008.

Sarut Vanichpun

Done at San Diego, California this 24th day of December, 2008.



Mehmet Yavuz