PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Gary J. Ballantyne	01/22/2010
Jifeng Geng	01/22/2010
Bo Sun	01/21/2010

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:	12638822

CORRESPONDENCE DATA

Fax Number: (858)658-2502

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 858-845-2505

Email: patent.docketing.us@qualcomm.com QUALCOMM INCORPORATED Correspondent Name: Address Line 1: 5775 MOREHOUSE DR.

SAN DIEGO, CALIFORNIA 92121 Address Line 4:

092373 ATTORNEY DOCKET NUMBER: NAME OF SUBMITTER: Christine Molla

Total Attachments: 6

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PATENT Docket No.: 092373 Page 1 of 2

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,

- Lane, Sumner, Christchurch, 8081, NZ; and a resident of Christchurch, NZ; and
- 2. Jifeng Geng, a citizen of China, having a mailing address of 5775 Morehouse Drive, San Diego, CA, 92121-1714, US; and a resident of San Diego, CA, US; and
- 3. Bo Sun, a citizen of China, having a mailing address of 5775 Morehouse Drive, San Diego, CA, 92121-1714, US; and a resident of San Diego, CA, 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 SIGNAL DECIMATION TECHNIQUES by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on December 15, 2009, and assigned Serial Number 12/638,822, including, without limitation, all provisional patent applications, and all original and reissue patents granted thereof (in the United States and any foreign county), and all divisionals, continuations-in-part 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.

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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 Christchurch, New Zealand this	s 22 day of January, 2010.
	GARY J. BALLANTYNE
Done at San Diego, California this	
	JIFENG GENG
Done at San Diego, California this	_day of
	BO SUN

PATENT Docket No.: 092373 Page 1 of 2

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- Jifeng Geng, a citizen of China, having a mailing address of 5775 Morehouse Drive,
 San Diego, CA, 92121-1714, US; and a resident of San Diego, CA, US; and
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PATENT Docket No.: 092373 Page 2 of 2

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Done at Christchurch, New Zealand this	, 2010.
	GARY J. BALLANTYNE
Done at San Diego, California this <u>22</u>	day of <u>Jan</u> , 2010.
	JIFENG GENG
Done at San Diego, California this	day of, 2010.
	BO SUN

PATENT Docket No.: 092373 Page 1 of 2

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Done at Christchurch, New Zealand this	day of, 2010.
~~~	GARY J. BALLANTYNE
Done at San Diego, California this day	of, 2010.
	JIFENG GENG
Done at <b>San Diego, California</b> this <u>a</u> day	of Jan, 2010.
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PATENT REEL: 023992 FRAME: 0651

**RECORDED: 02/25/2010**