

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Guofang Jiao	05/07/2007
Chun Yu	05/07/2007
Brian Ruttenberg	05/07/2007
William Torzewski	05/07/2007
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	
Property Type	Number
Application Number:	11742753
CORRESPONDENCE DATA	
Fax Number:	(858)658-2502
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
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Email:	US-Docketing@qualcomm.com
Correspondent Name:	QUALCOMM Incorporated
Address Line 1:	5775 Morehouse Drive
Address Line 2:	Patent Department/Central Administration
Address Line 4:	SAN DIEGO, CALIFORNIA 92121
ATTORNEY DOCKET NUMBER:	061392
NAME OF SUBMITTER:	Timothy F. Loomis

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REEL: 019322 FRAME: 0418

Total Attachments: 3

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REEL: 019322 FRAME: 0419

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 I,

1. **Guofang Jiao**, a citizen of the **China P.R.**, having a place of residence at **10680 Hunters Glen Drive, San Diego CA 92130**;
2. **William Torzewski**, a citizen of the **United States**, having a place of residence at **8730 Costa Verde Blvd. #2306, San Diego CA 92122**;
3. **Chun Yu**, a citizen of **China P.R.**, having a place of residence at **11496 Cypress Woods Drive, San Diego CA 92131**;
4. **Brian Ruttenberg**, a citizen of the **United States**, having a place of residence at **284 Coronado Drive, Goleta CA 93117**;

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 a **UNIVERSAL RASTERIZATION OF GRAPHIC PRIMITIVES** by me devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on **May 1, 2007**, and assigned U.S. Application **11/742,753** 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 I have full right to do so, and agree that I will communicate to said corporation or its representatives all facts known to me respecting said invention, whenever requested, and

ASSIGNMENT

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.

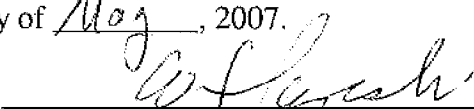
The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

Done at San Diego, California this 7th day of May, 2007.



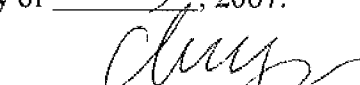
Guofang Jiao

Done at San Diego, California this 7th day of May, 2007.



William Torzewski

Done at San Diego, California this 7th day of May, 2007.



Chun Yu

Done at Goleta, California this _____ day of _____, 2007.

Brian Ruttenberg

covenant that I have full right to do so, and agree that I will communicate to said corporation or its representatives all facts known to me 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 ____ day of _____, 2007.

Guofang Jiao

Done at San Diego, California this ____ day of _____, 2007.

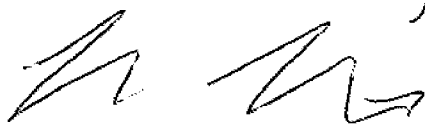
William Torzewski

Done at San Diego, California this ____ day of _____, 2007.

Chun Yu

Done at Goleta, California this 7 day of May, 2007.

Brian Ruttenberg

Two handwritten signatures in black ink. The first signature is on the left, and the second is on the right, slightly overlapping the first.

PATENT

RECORDED: 05/21/2007

REEL: 019322 FRAME: 0422