

PATENT ASSIGNMENT

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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>Guofang Jiao</td><td>09/13/2007</td></tr><tr><td>Yun Du</td><td>09/13/2007</td></tr><tr><td>Chun Yu</td><td>09/13/2007</td></tr></tbody></table>		Name	Execution Date	Guofang Jiao	09/13/2007	Yun Du	09/13/2007	Chun Yu	09/13/2007				
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RECEIVING PARTY DATA													
<table border="1"><tr><td>Name:</td><td>QUALCOMM Incorporated</td></tr><tr><td>Street Address:</td><td>5775 Morehouse Drive</td></tr><tr><td>Internal Address:</td><td>Patent Department/Central Administration</td></tr><tr><td>City:</td><td>San Diego</td></tr><tr><td>State/Country:</td><td>CALIFORNIA</td></tr><tr><td>Postal Code:</td><td>92121</td></tr></table>		Name:	QUALCOMM Incorporated	Street Address:	5775 Morehouse Drive	Internal Address:	Patent Department/Central Administration	City:	San Diego	State/Country:	CALIFORNIA	Postal Code:	92121
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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>11855832</td></tr></tbody></table>		Property Type	Number	Application Number:	11855832								
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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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Address Line 2: Patent Department/Central Administration													
Address Line 4: San Diego, CALIFORNIA 92121													
ATTORNEY DOCKET NUMBER:	071170												
NAME OF SUBMITTER:	Kelly T. Williams												
Total Attachments: 2													

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REEL: 019830 FRAME: 0150

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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. Guofang Jiao, a citizen of China P.R., having a place of residence at 10680 Hunters Glen Drive, San Diego, CA 92130;
2. Yun Du, a citizen of China P.R., having a place of residence at 12341 Katydid Circle, San Diego, CA 92129;
3. Chun Yu, a citizen of China P.R., having a place of residence at 11496 Cypress Woods Drive, San Diego, CA 92131; and

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 **FRAGMENT SHADER BYPASS IN A GRAPHICS PROCESSING UNIT, AND APPARATUS AND METHOD THEREOF** by me devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on , and assigned Serial No. (and we hereby authorize and instruct QUALCOMM Incorporated to hereafter complete this Assignment by inserting the filing date and serial number in the space provided when known), including, without limitation, all provisional patent 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 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

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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.

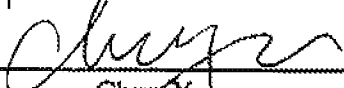
Done at San Diego, California this 13th day of Sept, 2007.


Guofang Jiao

Done at San Diego, California this 13th day of Sept, 2007.


Yun Du

Done at San Diego, California this 13th day of Sept, 2007.


Chun Yu