

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Byoung-Hoon Kim</td> <td>02/07/2008</td> </tr> <tr> <td>Hao Xu</td> <td>02/07/2008</td> </tr> </tbody> </table>		Name	Execution Date	Byoung-Hoon Kim	02/07/2008	Hao Xu	02/07/2008
Name	Execution Date						
Byoung-Hoon Kim	02/07/2008						
Hao Xu	02/07/2008						
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" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12027921</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12027921		
Property Type	Number						
Application Number:	12027921						
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:	us-docketing@qualcomm.com						
Correspondent Name:	QUALCOMM Incorporated						
Address Line 1:	5775 Morehouse Drive						
Address Line 4:	San Diego, CALIFORNIA 92121-1714						
ATTORNEY DOCKET NUMBER:	070651						
NAME OF SUBMITTER:	Marvin Jefferson						
Total Attachments: 2 source=070651_2008-02-07_ASST#page1.tif source=070651_2008-02-07_ASST#page2.tif							

CH \$40.00 12027921

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. Byoung-Hoon Kim, a citizen of South Korea, having a place of residence at 5235 Fiore Terrace C-220, San Diego CA 92122;

2. Hao Xu, a citizen of China P.R., having a place of residence at 12156 Via Milano, San Diego CA 92128;

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 **MIMO Transmission With Rank-Dependent Precoding** by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on February 7, 2008, and assigned Serial No. 12/027,921 including Provisional Application Number 60/889,255 filed on 2/9/2007, 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 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.

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 San Diego, California this 7th day of February, 2008.



Byoung-Hoon Kim

Done at San Diego, California this 7 day of February, 2008.



Hao Xu