Client Code: QCMLF.157A-102783 RECORDATION FORM COVER SHEET **PATENTS ONLY**

To the Director, U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): (List using letters or numbers for multiple parties) 1. Xiaoyun Jiang 2. Eri Haneda Additional name(s) of conveying party(ies) attached? () Yes (X) No 3. Nature of conveyance: (X) Assignment () Security Agreement	2. Name and address of receiving party(ies): Name: QUALCOMM Incorporated Street Address: 5775 Morehouse Drive City: San Diego State: CA ZIP: 92121-1714 Additional name(s) of receiving party(ies) attached? () Yes (X) No	
() Merger () Change of Name () Other: Execution Date: (List as in section 1 if multiple signatures) 1. June 20, 2011 2. June 20, 2011	 4. US or PCT Application number(s) or US Patent number(s): (X) Patent Application No.: /3//80 33 8 Filing Date: July 11, 2011 Additional numbers attached? () Yes (X) No 	
 5. Party to whom correspondence concerning document should be mailed: Customer No. 14870 Address: Knobbe, Martens, Olson & Bear, LLP 2040 Main Street, 14th Floor Irvine, CA 92614 Return Fax: (949) 760-9502 Attorney's Docket No.: QCMLF.157A-102783 	Total number of applications and patents involved: 1	
7. Total fee (37 CFR 1.21(h)): \$40 (X) Authorized to be charged to deposit account	Deposit account number: 11-1410 Please charge this account for any additional fees which may be required, or credit any overpayment to this account.	
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct, and any attached copy is a true copy of the original document. Michael L. Fuller Name of Person Signing 36,516 Registration No.		
Total number of pages including cover sheet, attachments and document: 5		

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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. Xiaoyun Jiang, a citizen of China, having a mailing address of 5775 Morehouse Drive, San Diego CA 92121; and a resident of San Diego, CA; and
- 2. Eri Haneda, a citizen of Japan, having a mailing address of 5775 Morehouse Drive, San Diego CA 92121; and a resident of San Diego, CA;

PATENT Docket No. 102783 Page 2 of 2

ASSIGNMENT

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, CA this 20th day of	June , 2011.	
	Leaveper)	
	y Xiaoyun Jiang	
Done at San Diego, CA this day of	, 2011.	
	Eri Haneda	

PATENT Docket No. 102783 Page 1 of 2

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Done at San Diego, CA this	day of _	, 2011.
		Xiaoyun Jiang
Done at San Diego, CA this	day of _	June 20, 2011.
		Eri Honeda
		Eri Haneda

PATENT REEL: 026588 FRAME: 0271

RECORDED: 07/12/2011