

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Xiaochun Zhu	12/13/2007
Shiqun Gu	12/13/2007
Xia Li	12/17/2007
Seung H. Kang	12/14/2007
RECEIVING PARTY DATA	
Name:	QUALCOMM Incorporated
Street Address:	5775 Morehouse Drive
Internal Address:	Patent Department
City:	San Diego
State/Country:	CALIFORNIA
Postal Code:	92121-1714
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11959797
CORRESPONDENCE DATA	
Fax Number:	(858)658-2502
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	858-658-5787
Email:	jdenbow@qualcomm.com
Correspondent Name:	QUALCOMM Incorporated
Address Line 1:	5775 Morehouse Drive
Address Line 2:	Patent Department
Address Line 4:	San Diego, CALIFORNIA 92121-1714
ATTORNEY DOCKET NUMBER:	072075
NAME OF SUBMITTER:	John L. Ciccozzi

CH \$40.00 11959797

**500423821**

**PATENT**  
**REEL: 020269 FRAME: 0862**

Total Attachments: 2

source=072075\_REC\_12-19-07#page1.tif

source=072075\_REC\_12-19-07#page2.tif

**PATENT**

**REEL: 020269 FRAME: 0863**

## ASSIGNMENT

TO WHOM IT MAY CONCERN:

For the sum of One Dollar and other valuable consideration to me in hand paid, receipt of which is hereby acknowledged, be it known that I,

**Xiaochun Zhu, a citizen of China, having a place of residence at 2636 Grand Ave. #232, San Diego, CA 92109**

**Shiqun Gu, a citizen of the United States, having a place of residence at 11034 W. Ocean Air Drive, Apt #148, San Diego, CA 92130**

**Xia Li, a citizen of China, having a place of residence at 12642 Carmel Country Road #143, San Diego, CA 92130**

**Seung H. Kang, a citizen of South Korea, having a place of residence at 4143 Twilight Ridge, San Diego, CA 92130**

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 whole right, title and interest in and to a certain invention relating to:

### **MAGNETIC TUNNEL JUNCTION DEVICE WITH SEPARATE READ AND WRITE PATHS**

by me devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on **December 19, 2007** and assigned Serial No. **11/959,797** (and I hereby authorize and instruct **QUALCOMM Incorporated** to hereafter complete this Assignment by inserting the serial number in the space provided above 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 everything possible to aid said corporation, its successors, assigns and nominees, to obtain and enforce proper patent protection for said invention in all countries.


**MAGNETIC TUNNEL JUNCTION DEVICE WITH  
SEPARATE READ AND WRITE PATHS**

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


Executed at San Diego, California this  
13 day of Dec, 2007.

  
\_\_\_\_\_  
**Xiaochun Zhu**

Executed at San Diego, California this  
13 day of Dec, 2007.

  
\_\_\_\_\_  
**Shiqun Gu**

Executed at San Diego, California this  
17 day of Dec, 2007.

  
\_\_\_\_\_  
**Xia Li**

Executed at San Diego, California this  
14th day of December, 2007.

  
\_\_\_\_\_  
**Seung H. Kang**