

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>Xia Li</td> <td>02/17/2010</td> </tr> <tr> <td>Seung H. Kang</td> <td>02/23/2010</td> </tr> <tr> <td>Xiaochun Zhu</td> <td>02/17/2010</td> </tr> <tr> <td>Kangho Lee</td> <td>02/17/2010</td> </tr> </tbody> </table>		Name	Execution Date	Xia Li	02/17/2010	Seung H. Kang	02/23/2010	Xiaochun Zhu	02/17/2010	Kangho Lee	02/17/2010
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Xia Li	02/17/2010										
Seung H. Kang	02/23/2010										
Xiaochun Zhu	02/17/2010										
Kangho Lee	02/17/2010										
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											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12732531</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12732531						
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Application Number:	12732531										
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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ATTORNEY DOCKET NUMBER:	090973										
NAME OF SUBMITTER:	Nicholas J. Pauley										

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Total Attachments: 2

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ASSIGNMENT

MAGNETORESISTIVE RANDOM ACCESS MEMORY (MRAM) WITH INTEGRATED MAGNETIC FILM ENHANCED CIRCUIT ELEMENTS

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/I,

1. Xia Li, a citizen of China, having a mailing address of 5775 Morehouse Drive, San Diego, CA 92121; and a resident of San Diego, California
2. Seung H. Kang, a citizen of South Korea, having a mailing address of 5775 Morehouse Drive, San Diego, CA 92121; and a resident of San Diego, California
3. Xiaochun Zhu, a citizen of China, having a mailing address of 5775 Morehouse Drive, San Diego, CA 92121; and a resident of San Diego, California
4. Kangho Lee, a citizen of the South Korea, having a mailing address of 5775 Morehouse Drive, San Diego, CA 92121; and a resident of San Diego, California

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 **MAGNETORESISTIVE RANDOM ACCESS MEMORY (MRAM) WITH INTEGRATED MAGNETIC FILM ENHANCED CIRCUIT ELEMENTS** by me devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on March 21st, 2010, and assigned Serial No. 12/732,531, (and I hereby authorize and instruct QUALCOMM Incorporated to hereafter complete this Assignment by inserting the serial number and date 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, continuations and

ASSIGNMENT

**MAGNETORESISTIVE RANDOM ACCESS MEMORY (MRAM) WITH
INTEGRATED MAGNETIC FILM ENHANCED CIRCUIT ELEMENTS**

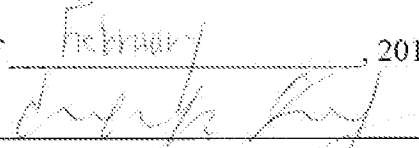
continuations-in-part thereof, including the subject matter of any and all claims which may be obtained in every such patent, and all foreign rights to said invention, and covenant that I have full right to do so, and agree that I will communicate to said corporation or its representatives all facts 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.

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 17th day of Feb., 2010.


Xia Li

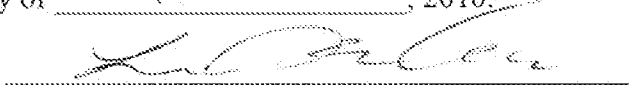
Done at San Diego, California this 2nd day of February, 2010.


Seung H. Kang

Done at San Diego, California this 17th day of Feb., 2010.


Xiaochun Zhu

Done at San Diego, California this 17th day of Feb., 2010.


Kangho Lee