

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>Eugene Youjun Chen</td> <td>06/06/2012</td> </tr> <tr> <td>Xueti Tang</td> <td>06/06/2012</td> </tr> </tbody> </table>		Name	Execution Date	Eugene Youjun Chen	06/06/2012	Xueti Tang	06/06/2012		
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Xueti Tang	06/06/2012								
RECEIVING PARTY DATA									
<table border="1"> <tr> <td>Name:</td> <td>Samsung Electronics Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>416, Maetan-dong, Yeongtong-gu,</td> </tr> <tr> <td>City:</td> <td>Suwon-si, Gyeonggi-do</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> </table>		Name:	Samsung Electronics Co., Ltd.	Street Address:	416, Maetan-dong, Yeongtong-gu,	City:	Suwon-si, Gyeonggi-do	State/Country:	KOREA, REPUBLIC OF
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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>13491568</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13491568				
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Application Number:	13491568								
CORRESPONDENCE DATA									
<p>Fax Number: 5035179919 Phone: 5038962643 Email: mail@renaissanceiplaw.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Renaissance IP Law Group LLP Address Line 1: 9600 SW Oak St., Ste. 560 Address Line 4: Portland, OREGON 97223</p>									
ATTORNEY DOCKET NUMBER:	1535-019								
NAME OF SUBMITTER:	Hosoon Lee								
Total Attachments: 2 source=1535-019assignment#page1.tif source=1535-019assignment#page2.tif									

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PATENT APPLICATION
Attorney Docket No. 1535-019

ASSIGNMENT

Assignor: Eugene Youjun Chen

Address: 41712 Olympus Avenue
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Assignor: Xueti Tang

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Assignee: Samsung Electronics Co., Ltd.

Address: 416, Maetan-dong, Yeongtong-gu, Suwon-si,
Gyeonggi-do, Republic of Korea

Title of

Invention: **MAGNETIC TUNNELING JUNCTION SEED, CAPPING, AND
SPACER LAYER MATERIALS**

U.S. Patent Application:

Application Serial No.:

Filing Date:

U.S. Patent No.:

Issued:

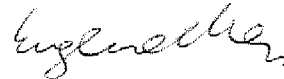
For good and valuable consideration, the receipt of which is hereby acknowledged, the above-named Assignor hereby sells, assigns and transfers to Assignee, the full and exclusive right, title and interest in and to the above-identified invention, patent application and patent rights throughout the world, including foreign patent priority rights; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, reissues, non-provisionals and extensions thereof, to be held and enjoyed by Assignee, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and covenant that Assignor has full right so to do, and agree that Assignor will communicate to Assignee, or its successors and assigns, any facts known to Assignor

PATENT APPLICATION
Attorney Docket No. 1535-019

respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, non-provisional and reissue applications, make all rightful oaths, and do everything possible to aid Assignee, its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

In the event that the patent application filing date or serial number is not known at the time this document is executed, Assignor hereby grants permission to the attorneys of record in the patent application to fill in the filing date and/or serial number above, and to record this assignment after such information is added.

Executed at Milpitas, U.S.A., this 6th day of
(city) (country)
June, 2012.



Eugene Youjun Chen
Assignor

Executed at Milpitas, U.S.A., this 6th day of
(city) (country)
June, 2012.



Xueti Tang
Assignor