

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Insik Jin</td> <td>11/13/2010</td> </tr> <tr> <td>Xiaobin Wang</td> <td>11/05/2010</td> </tr> <tr> <td>Yong Lu</td> <td>11/10/2010</td> </tr> <tr> <td>Haiwen Xi</td> <td>11/11/2010</td> </tr> </tbody> </table>		Name	Execution Date	Insik Jin	11/13/2010	Xiaobin Wang	11/05/2010	Yong Lu	11/10/2010	Haiwen Xi	11/11/2010
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Insik Jin	11/13/2010										
Xiaobin Wang	11/05/2010										
Yong Lu	11/10/2010										
Haiwen Xi	11/11/2010										
<b>RECEIVING PARTY DATA</b>											
Name:	SEAGATE TECHNOLOGY LLC										
Street Address:	920 Disc Drive										
City:	Scotts Valley										
State/Country:	CALIFORNIA										
Postal Code:	95066										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12946900</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12946900						
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Application Number:	12946900										
<b>CORRESPONDENCE DATA</b>											
Fax Number:	(651)259-6701										
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ATTORNEY DOCKET NUMBER:	1011.14444.00										
NAME OF SUBMITTER:	Anna M. Nelson										
Total Attachments: 3											

OP \$40.00 12946900

**501351366**

**PATENT  
 REEL: 025366 FRAME: 0282**

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## ASSIGNMENT

Seagate Docket No. STL 1011.14444.00

WHEREAS, I/we of, is the inventor(s) of an invention entitled METHOD OF SWITCHING OUT-OF-PLANE MAGNETIC TUNNEL JUNCTION CELLS that is the subject matter of: (check all that apply)

- a provisional application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. \_\_\_\_\_ filed on 200;
- an application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. 12/946,900 filed on 11-16-2010 and/or executed on even date herewith; and
- an international application for Letters Patent filed pursuant to the Patent Cooperation Treaty which is identifiable in the United States Receiving Office by Application No. \_\_\_\_\_ filed on \_\_\_\_\_; and/or executed on even date herewith;

WHEREAS, Seagate Technology LLC, a limited liability company organized and existing under the laws of the State of Delaware and the United States of America, and having offices at 920 Disc Drive, Scotts Valley, California, 95066 USA, ("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the applications, and any and all Letters Patent or similar foreign or domestic legal protection;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I/we transfer to Assignee, its successors and assigns, my/our entire right, title and interest in and to the invention, the above-identified applications, all provisional applications from which any of the above-identified applications claim priority, corresponding domestic and foreign applications, any continuation, division, renewal, or substitute for the applications, all Letters Patent, any reissue, re-examination, or similar legal protection issuing related to the Letters Patent, and all rights and benefits under any applicable treaty or convention; and I/we authorize the Director of the United States Patent and Trademark Office or foreign equivalent to issue the Letters Patent or similar legal protection to the Assignee.

I/We authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. I/We further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries and appoint Assignee the common representative in the above identified international application and any international application for the invention.

I/We represent to the Assignee, its successors and assigns, that I/we have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I/We, my/our executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries, including without limitation providing testimony in any related interference, litigation or proceeding.

[Signature]  
Insik Jin (Inventor)

Subscribed and sworn to before me at San Jose, CA, a Notary Public,  
this 13 day of Nov, 2010.

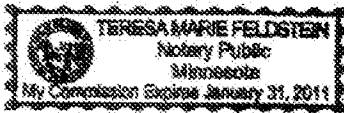
[Signature]  
Notary Public Jungmi Jin

(SEAL)

[Signature]  
Xiaobin Wang (Inventor)

Subscribed and sworn to before me at \_\_\_\_\_, a Notary Public,  
this 5 day of Nov, 2010.

(SEAL)



[Signature]  
Notary Public

\_\_\_\_\_  
Yong Lu (Inventor)

Subscribed and sworn to before me at \_\_\_\_\_, a Notary Public,  
this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

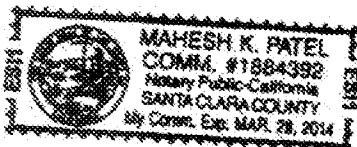
(SEAL)

\_\_\_\_\_  
Notary Public

[Signature]  
Haiwen Xi (Inventor)

Subscribed and sworn to before me at San Jose, California, a Notary Public,  
this 11 day of Nov, 2010.

(SEAL)



[Signature]  
Notary Public

Insik Jin (Inventor)

Subscribed and sworn to before me at \_\_\_\_\_, a Notary Public,  
this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

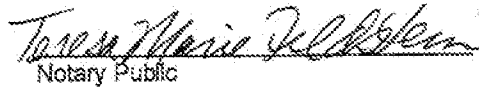
Notary Public

(SEAL)



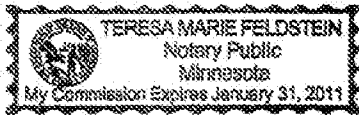
Xiaobin Wang (Inventor)

Subscribed and sworn to before me at \_\_\_\_\_, a Notary Public,  
this 5 day of Nov, 2010.



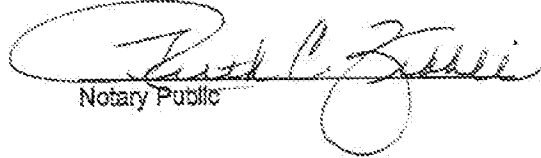
Notary Public

(SEAL)



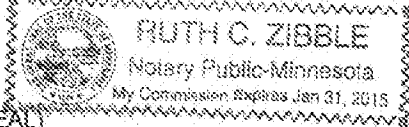
Yong Lu (Inventor)

Subscribed and sworn to before me at Hennepin Co., MN, a Notary Public,  
this 10<sup>th</sup> day of Nov, 2010.



Notary Public

(SEAL)



Haiwen Xi (Inventor)

Subscribed and sworn to before me at \_\_\_\_\_, a Notary Public,  
this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

Notary Public

(SEAL)