

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2733737

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>KUEI-HUNG SHEN</td> <td>01/28/2014</td> </tr> <tr> <td>SHAN-YI YANG</td> <td>01/28/2014</td> </tr> <tr> <td>YUNG-HUNG WANG</td> <td>01/24/2014</td> </tr> </tbody> </table>		Name	Execution Date	KUEI-HUNG SHEN	01/28/2014	SHAN-YI YANG	01/28/2014	YUNG-HUNG WANG	01/24/2014		
Name	Execution Date										
KUEI-HUNG SHEN	01/28/2014										
SHAN-YI YANG	01/28/2014										
YUNG-HUNG WANG	01/24/2014										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE</td> </tr> <tr> <td>Street Address:</td> <td>NO. 195, SEC. 4, CHUNG HSING RD., CHUTUNG,</td> </tr> <tr> <td>City:</td> <td>HSINCHU</td> </tr> <tr> <td>State/Country:</td> <td>TAIWAN</td> </tr> <tr> <td>Postal Code:</td> <td>31040</td> </tr> </table>		Name:	INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE	Street Address:	NO. 195, SEC. 4, CHUNG HSING RD., CHUTUNG,	City:	HSINCHU	State/Country:	TAIWAN	Postal Code:	31040
Name:	INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE										
Street Address:	NO. 195, SEC. 4, CHUNG HSING RD., CHUTUNG,										
City:	HSINCHU										
State/Country:	TAIWAN										
Postal Code:	31040										
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>14181736</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14181736						
Property Type	Number										
Application Number:	14181736										
CORRESPONDENCE DATA											
<p>Fax Number: (510)580-7280</p> <p>Email: USA@JCIPGroup.com.tw</p> <p><i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i></p> <p>Correspondent Name: JIANQ CHYUN INTELLECTUAL PROPERTY OFFICE</p> <p>Address Line 1: 7F.-1, NO. 100, ROOSEVELT RD., SEC. 2,</p> <p>Address Line 4: TAIPEI, TAIWAN 100</p>											
ATTORNEY DOCKET NUMBER:	45863-US-PA										
NAME OF SUBMITTER:	BELINDA LEE										
Signature:	/Belinda Lee/										
Date:	02/19/2014										
<p>Total Attachments: 2</p> <p>source=45863us_Assgn#page1.tif</p> <p>source=45863us_Assgn#page2.tif</p>											

ASSIGNMENT

WHEREAS,

1. Kuei-Hung Shen
2. Shan-Yi Yang
3. Yung-Hung Wang

hereinafter referred to as ASSIGNOR, has/have invented certain new and useful improvements as described and set forth in the below identified application for United States Letters Patent:

Title: **MAGNETIC TUNNEL JUNCTION DEVICE WITH PERPENDICULAR
MAGNETIZATION AND METHOD OF FABRICATING THE SAME**

☐ Filed: Serial No.

☒ Executed concurrently with the execution of this instrument

WHEREAS, Industrial Technology Research Institute
of No. 195, Sec. 4, Chung Hsing Rd., Chutung, Hsinchu 31040, Taiwan, R. O. C.

hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in the said invention and application and in any U.S. Letters Patent which may be granted on the same:

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has/have sold, assigned and transferred, and by these presents does/do sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all his/her/their rights, title and interest in and to the said invention and application and all future improvements thereon, and in and to any Letters Patent which may hereafter be granted on the same in the United States, the said rights, title and interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignor had this Assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees/agree that he/she/they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee Lawfully may request, to obtain or maintain Letters Patent for said invention and improvement, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

ASSIGNMENT CONTINUED

IN TESTIMONY WHEREOF, Assignor has/have signed his/her/their name(s) on the date(s) indicated.

Signature: Kuei-Hung Shen
Sole or First Joint Inventor: Kuei-Hung Shen

Date: 2014.1.28

Signature: Shan-Yi Yang
Second Joint Inventor (if any): Shan-Yi Yang

Date: 2014.1.28

Signature: Yung-Hung Wang
Third Joint Inventor (if any): Yung-Hung Wang

Date: 2014.1.24