

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
YOUNG KEUN KIM	04/20/2017
KYUNG JIN LEE	04/20/2017
GYUNGCHOON GO	04/20/2017
RECEIVING PARTY DATA	
Name:	KOREA UNIVERSITY RESEARCH AND BUSINESS FOUNDATION
Street Address:	145, ANAM-RO
Internal Address:	SEONGBUK-GU
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	02841
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15639662
CORRESPONDENCE DATA	
Fax Number:	(919)419-0383
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	919-493-8000
Email:	djones@jwth.com
Correspondent Name:	JEFFREY L. WILSON, JENKINS WILSON TAYLOR & HUNT PA
Address Line 1:	3015 CARRINGTON MILL BLVD.
Address Line 2:	SUITE 550
Address Line 4:	MORRISVILLE, NORTH CAROLINA 27560
ATTORNEY DOCKET NUMBER:	1778/68
NAME OF SUBMITTER:	DEBRA C. JONES
SIGNATURE:	/Debra C. Jones/
DATE SIGNED:	09/29/2017
Total Attachments: 3	
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PATENT

Atty Docket: 1778/68

ASSIGNMENT

WHEREAS, we, **Young Keun KIM** of **Seoul**, Republic of Korea, **Kyung-Jin LEE** of **Seoul**, Republic of Korea, **Gyungchoon GO** of **Seoul**, Republic of Korea, hereinafter ("Assignors"), have invented certain new and useful improvements in **MAGNETIC TUNNEL JUNCTION DEVICE WITH SPIN-FILTER STRUCTURE** for which application for which a U.S. Letters Patent was made based on Korean Application No. 10-2017-0000532 filed January 03, 2017. We hereby authorize and request our attorneys, Jenkins, Wilson, Taylor & Hunt, P.A., to insert here in parentheses (application number 15/639,662, filed June 30, 2017) the filing date and application number of said application when known.

AND, WHEREAS, **KOREA UNIVERSITY RESEARCH AND BUSINESS FOUNDATION**, a corporation located at 145, Anam-ro, Seongbuk-gu, Seoul 02841, Republic of Korea (hereinafter "Assignee"), is desirous of acquiring an interest therein.

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors have sold and by these presents do hereby sell, assign, transfer and convey unto the said Assignee, its successors and assigns, their entire right, title and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with their right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignors if this assignment and sale had not been made.


Assignors hereby request that said Letters Patent be issued in accordance with this assignment.

Assignors further covenant and agree that, at the time of the execution and delivery of these presents, Assignors possess full title to the invention and application above-mentioned, and that they have the unencumbered right and authority to make this assignment.

Assignors further covenant and agree, and likewise bind their heirs, legal representatives and assigns, to promptly communicate to said Assignee or its representatives any facts known to them relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers

which may be requested to confirm the right of the Assignee, its representatives, successors and assigns to secure patent or similar protection for the said invention in all countries and to vest in the Assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said Assignee, its successors, assigns and other legal representatives.

Executed this 20 day of April 2017.



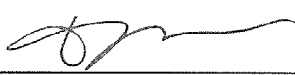
Young Keun KIM

Witnessed by:

Name Date

Name Date

Executed this 20 day of April 2017



Kyung-Jin LEE

Witnessed by:

Name Date

Name Date

Executed this 20 day of April 2017

gcgo

Gyungchoon GO

Witnessed by:

Name

Date

Name

Date