

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	03/10/2017
YONG JIN KIM	03/10/2017
RECEIVING PARTY DATA	
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Postal Code:	02841
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15599259
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NAME OF SUBMITTER:	SONIYA GANDHI
SIGNATURE:	/Soniya Gandhi/
DATE SIGNED:	06/09/2017
Total Attachments: 2	
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PATENT

Atty Docket: 1778/64

ASSIGNMENT

WHEREAS, we, Young Keun KIM of Seoul, Republic of Korea, Yong Jin KIM of Chungcheongbuk-do, Republic of Korea, hereinafter ("Assignors"), have invented certain new and useful improvements in **MULTILAYER THIN FILMS EXHIBITING PERPENDICULAR MAGNETIC ANISOTROPY** for which application for which a U.S. Letters Patent was made based on Korean Application No. 10-2016-0170114 filed December 14, 2016. We hereby authorize and request our attorneys, Jenkins, Wilson, Taylor & Hunt, P.A., to insert here in parentheses (application number 15/599,259, filed May 18, 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.

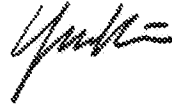
Assignors hereby request that said Letters Patent be issued in accordance with this assignment

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 10 day of March 2017.



Young Keun KIM

Witnessed by:

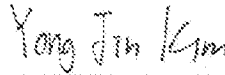
Name

Date

Name

Date

Executed this 10 day of March 2017



Yong Jin KIM

Witnessed by:

Name

Date

Name

Date