

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5860756

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| HSIN LIN | 11/07/2019 |
| SHIH-YU WU | 11/07/2019 |
| CHUANG-HAN HSU | 11/07/2019 |
| RECEIVING PARTY DATA | |
| Name: | ACADEMIA SINICA |
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| City: | TAIPEI CITY |
| State/Country: | TAIWAN |
| Postal Code: | 115 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 16709965 |
| CORRESPONDENCE DATA | |
| Fax Number: | (703)683-1080 |
| <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> | |
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| Correspondent Name: | BACON & THOMAS, PLLC |
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| ATTORNEY DOCKET NUMBER: | LINH3073/EM |
| NAME OF SUBMITTER: | EUGENE MAR |
| SIGNATURE: | /Eugene Mar/ |
| DATE SIGNED: | 12/11/2019 |
| This document serves as an Oath/Declaration (37 CFR 1.63). | |
| Total Attachments: 3 | |
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| source=LINH3073_Dec_Assignment#page2.tif | |

**DECLARATION & ASSIGNMENT
(WITH APPLICATION DATA SHEET ONLY)**

DECLARATION

Application Title → **TITLE OF INVENTION:** Electrically controlled nanomagnet and spin orbit torque magnetic random access memory including the same
As a below named inventor, I hereby declare that:

This declaration is directed to:

Application filed with Declaration → ☒ The accompanying utility or design patent application, or

Application filed before Declaration → ☐ United States application or PCT international application number:
Application serial number and filing date → filed on

1. The above-identified application was made or authorized to be made by me.
2. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
3. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

By signing this declaration, the inventor(s) confirms that the application, including the claims, has been read and understood and that the inventor is aware of the duty to disclose to the U.S. Patent and Trademark Office all information known to the inventor(s) to be material to patentability as defined in 37 CFR§1.56.

ASSIGNMENT

WHEREAS, I (we), the below named inventor, hereinafter referred to as ASSIGNOR, is the or an owner of certain new and useful improvements in the above identified application(hereinafter referred to as the INVENTION).

Assignee Name → WHEREAS, Academia Sinica

Assignee Address → whose post office address is/are No.128, Sec. 2, Academia Rd., Nangang Dist., Taipei City 115, Taiwan R.O.C.

hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to the INVENTION in the United States;

Check if applicable →
Outside U.S.

Combined Declaration/Assignment Multiple Inventors
rev. 05NOV12
Bacon & Thomas, PLLC

Dec-ass-A1912A

PATENT
REEL: 051240 FRAME: 0552


☐ and in any foreign countries.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I (we), ASSIGNOR, by these presents do sell, assign and transfer unto said ASSIGNEE, the entire right, title, and interest in and to said INVENTION and application throughout the United States of America, including any and all Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) in the United States for said INVENTION, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said INVENTION, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the INVENTION that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's heirs, executors, administrators and other legal representatives.

ALSO, ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behoof; and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

ASSIGNOR authorizes any member of the firm of *Bacon & Thomas, PLLC* to insert or complete any information in the assignment portion of this document needed to effect its recordal in the U.S. Patent and Trademark Office.

| LEGAL NAME OF INVENTOR/ASSIGNOR | | | |
|---------------------------------|---|-------|-------------|
| Name: | LIN, Hsin | Date: | Nov 7, 2019 |
| Signature: |  | | |

☒ Additional Inventor(s)/Assignor(s) is/are being named on the 1 supplemental sheet(s) attached hereto.

SUPPLEMENTAL SHEET FOR DECLARATION/ASSIGNMENT

| | | | |
|---------------------------------|--------------------|-------|--------------|
| LEGAL NAME OF INVENTOR/ASSIGNOR | | | |
| Name: | WU, Shih-Yu | Date: | Nov 07, 2019 |
| Signature: | <i>Wu, Shih-Yu</i> | | |

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|--|-------------------------|-------|--------------|
| LEGAL NAME OF ADDITIONAL INVENTOR/ASSIGNOR | | | |
| Name: | HSU, Chuang-Han | Date: | Nov 07, 2019 |
| Signature: | <i>Hsu, Chuang-Han.</i> | | |

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|--|--|-------|--|
| LEGAL NAME OF ADDITIONAL INVENTOR/ASSIGNOR | | | |
| Name: | | Date: | |
| Signature: | | | |

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| LEGAL NAME OF ADDITIONAL INVENTOR/ASSIGNOR | | | |
| Name: | | Date: | |
| Signature: | | | |