

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5205064

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LIUBO HONG	06/17/2004
CHENG HORNG	06/17/2004
MAO-MIN CHEN	06/17/2004
RU-YIN TONG	06/17/2004

RECEIVING PARTY DATA

Name:	HEADWAY TECHNOLOGIES, INC.
Street Address:	678 S. HILLVIEW DRIVE
City:	MILPITAS
State/Country:	CALIFORNIA
Postal Code:	95035
Name:	APPLIED SPINTRONICS, INC.
Street Address:	830 HILLVIEW COURT
Internal Address:	SUITE 100
City:	MILPITAS
State/Country:	CALIFORNIA
Postal Code:	95035

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	12589465
Application Number:	12589466

CORRESPONDENCE DATA

Fax Number: (845)471-2064

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.

Phone: 8454523204

Email: elise@saileackerman.com

Correspondent Name: SAILE ACKERMAN LLC

Address Line 1: 28 DAVIS AVENUE

Address Line 4: POUGHKEEPSIE, NEW YORK 12603

ATTORNEY DOCKET NUMBER:	HT04-012B,D
NAME OF SUBMITTER:	STEPHEN B ACKERMAN
SIGNATURE:	/Stephen B Ackerman/
DATE SIGNED:	10/25/2018
Total Attachments: 2 source=HT04-012_Divisional_Assignment#page1.tif source=HT04-012_Divisional_Assignment#page2.tif	

HT04-12

For U.S. and/or Foreign Rights
 For Application or U.S. Patent
 By Inventor(s) or Present Owner

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR:

LIUBO HONG
 Type or print name of ASSIGNOR
945 Summerleaf PL
 Address
San Jose, CA 95120
PR China
 Nationality

CHENG HORNG
 Type or print name of ASSIGNOR
Cheng Horng 7174 CALCATERRA DR
 Address
SAN JOSE, CA 95120
U.S.A.
 Nationality

MAO-MIN CHEN
 Type or print name of ASSIGNOR
1025 Woodview place
 Address
San Jose CA 95120
U.S.A.
 Nationality

RU-YIN TONG
 Type or print name of ASSIGNOR
2433 LE BAIN DR
 Address
SAN JOSE CA 95130
U.S.A.
 Nationality

hereby sells, assigns and transfers to

ASSIGNEE:

Headway Technologies, Inc.
678 S. Hillview Drive
Milpitas, Ca 95035
Usa
 Nationality

Applied Spintronics, Inc.
Suite 100, 830 Hillview Court
Milpitas, CA 95035

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

the entire right, title and interest
 an undivided _____ percent (___%) interest for the United States and its territorial possessions

(check the following box if foreign rights are also to be assigned)

and in all foreign countries

in and to any and all improvements which are disclosed in the invention entitled:

A Novel Underlayer For High Performance Magnetic Tunneling Junction Mram

PATENT
REEL: 015542 FRAME: 0107
PATENT
REEL: 047306 FRAME: 0134

and which is found in

- (a) U.S. patent application executed on even date herewith
- (b) U.S. patent application executed on _____
- (c) U.S. application serial no. _____ filed on _____
- (d) U.S. patent no. _____ issued _____
(also check (e) if foreign application(s) is also being assigned)
- (e) and any legal equivalent thereof in a foreign country, including the right to clam priority


and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute, thereof, and as to letters patent any re-issue or re-examination thereof.

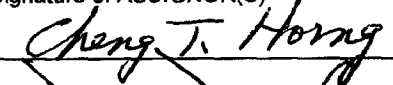
ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.


ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

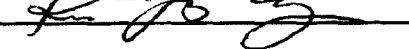
IN WITNESS WHEREOF, I / We have signed this
6/17/04 (Date of signing)

WARNING Date of signing must be the same as the date of execution of the application if item (a) was checked above.



 Signature of ASSIGNOR(S)






If ASSIGNOR is a legal entity complete the following information

Type or print the name of the above person authorized to sign on behalf of ASSIGNOR

Title

Note: No witnessing, notarization or legalization is necessary, if the assignment is notarized or legalized then it will only be prima facie evidence (35 USC 261). Use next page if notarization is desired.

___Notarization of Legalization Page Added.

RECORDED: 06/30/2004

RECORDED: 10/25/2018

PATENT
REEL: 015542 FRAME: 0108
PATENT

REEL: 047306 FRAME: 0135