

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4574802

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YING LIU	06/30/2017
YUHUI TANG	06/30/2017
JIUN-TING LEE	06/30/2017
YUE LIU	06/30/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HEADWAY TECHNOLOGIES, INC.
<b>Street Address:</b>	678 SOUTH HILLVIEW DRIVE
<b>City:</b>	MILPITAS
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95035
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15654199
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(845)471-2064
<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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<b>ATTORNEY DOCKET NUMBER:</b>	HT16-026
<b>NAME OF SUBMITTER:</b>	STEPHEN B ACKERMAN
<b>SIGNATURE:</b>	/Stephen B Ackerman/
<b>DATE SIGNED:</b>	08/31/2017
<b>Total Attachments: 2</b>	
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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:**

**YING LIU**

Type or print name of ASSIGNOR  
 12402 Gehrig Ave  
 Street Address  
 San Jose, CA, 95132  
 City, State, Country, Zip  
 CHINA  
 Nationality

**YUHUI TANG**

Type or print name of ASSIGNOR  
 281 Woodruff Way  
 Street Address  
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 City, State, Country, Zip  
 China  
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**JIUN-TING LEE**

Type or print name of ASSIGNOR  
 598 FORT LARAMIE DR.  
 Street Address  
 SUNNYVALE, CA 94087  
 City, State, Country, Zip  
 USA  
 Nationality

**YUE LIU**

Type or print name of ASSIGNOR  
 43182 Calle Hermosa  
 Street Address  
 Fremont, CA 94539  
 City, State, Country, Zip  
 U.S.A.  
 Nationality

hereby sells, assigns and transfers to

**ASSIGNEE:**

**Headway Technologies, Inc.**  
**678 S. Hillview Drive**  
**Milpitas, CA 95035**  
**USA**  
 Nationality

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/f 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:

**Perpendicular Magnetic Recording (PMR) Writer with Thinner Side Shield**

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 claim 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.

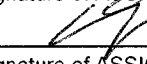
IN WITNESS WHEREOF, I / We have signed

**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

  
\_\_\_\_\_  
Signature of ASSIGNOR

  
\_\_\_\_\_  
Signature of ASSIGNOR

  
\_\_\_\_\_  
Signature of ASSIGNOR

6/30/17  
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Date of Signing

6/30/2017  
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6/30/17  
\_\_\_\_\_  
Date of Signing

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.