

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Kowang Liu</td> <td>09/12/2012</td> </tr> <tr> <td>Xuhui Jin</td> <td>09/12/2012</td> </tr> <tr> <td>Xiaohua Lou</td> <td>09/12/2012</td> </tr> </tbody> </table>		Name	Execution Date	Kowang Liu	09/12/2012	Xuhui Jin	09/12/2012	Xiaohua Lou	09/12/2012
Name	Execution Date								
Kowang Liu	09/12/2012								
Xuhui Jin	09/12/2012								
Xiaohua Lou	09/12/2012								
RECEIVING PARTY DATA									
Name:	Headway Technologies, Inc.								
Street Address:	678 South Hillview Drive								
City:	Milpitas								
State/Country:	CALIFORNIA								
Postal Code:	95035								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13617487</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13617487				
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Application Number:	13617487								
CORRESPONDENCE DATA									
Fax Number:	8454712064								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	845-452-5863								
Email:	debbi@saileackerman.com								
Correspondent Name:	Saile Ackerman LLC								
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Address Line 4:	Poughkeepsie, NEW YORK 12603								
ATTORNEY DOCKET NUMBER:	HT12-004								
NAME OF SUBMITTER:	Stephen B Ackerman								
Total Attachments: 2 source=HT12-004_Assignment#page1.tif source=HT12-004_Assignment#page2.tif									

CH \$40.00 13617487

PATENT

HT12-004

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:

KOWANG LIU

Type or print name of ASSIGNOR

108 Buck Ct.

Street Address

Fremont, CA 94539

City, State, Country, Zip

USA

Nationality

XUHUI JIN

Type or print name of ASSIGNOR

3263 pomerado Dr

Street Address

San Jose, CA 95135

City, State, Country, Zip

China

Nationality

XIAOHUA LOU

Type or print name of ASSIGNOR

3129 Laneview Dr.

Street Address

San Jose, CA 95132

City, State, Country, Zip

China

Nationality

hereby sells, assigns and transfers to

ASSIGNEE:

**Headway Technologies, Inc.
678 South 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 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:

TAMR STRUCTURE WITH HDI SENSOR FOR HEAD-DISK INTERFERENCE AND TEMPERATURE RISE SENSING

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

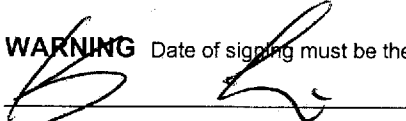
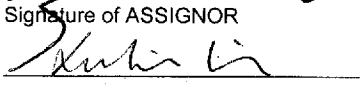
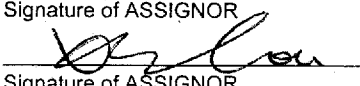
and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute, thereof, and as to letters patent any re-issue or re-examination thereof.

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.

	<u>9/12/2012</u>
Signature of ASSIGNOR	Date of Signing
	<u>9/12/2012</u>
Signature of ASSIGNOR	Date of Signing
	<u>9/12/2012</u>
Signature of ASSIGNOR	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.