

## PATENT ASSIGNMENT

Electronic Version v1.1

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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>Tong Zhao</td><td>05/15/2007</td></tr><tr><td>Hui-Chuan Wang</td><td>05/15/2007</td></tr><tr><td>Kunliang Zhang</td><td>05/15/2007</td></tr><tr><td>Yu Hsia Chen</td><td>05/15/2007</td></tr><tr><td>Min Li</td><td>05/15/2007</td></tr></tbody></table>	Name	Execution Date	Tong Zhao	05/15/2007	Hui-Chuan Wang	05/15/2007	Kunliang Zhang	05/15/2007	Yu Hsia Chen	05/15/2007	Min Li	05/15/2007	
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Yu Hsia Chen	05/15/2007												
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RECEIVING PARTY DATA													
Name:	Headway Technologies, Inc.												
Street Address:	678 S. Hillview Drvie												
City:	Milpitas												
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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>11811930</td></tr></tbody></table>	Property Type	Number	Application Number:	11811930									
Property Type	Number												
Application Number:	11811930												
CORRESPONDENCE DATA													
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ATTORNEY DOCKET NUMBER:	HT07-004												
NAME OF SUBMITTER:	Stephen B Ackerman												

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PATENT  
REEL: 019643 FRAME: 0526

**Total Attachments: 4**

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**PATENT**

**REEL: 019643 FRAME: 0527**

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:

**TONG ZHAO**  
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**YU HSIA CHEN**  
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TAIWAN  
 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 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:

**Low Resistance Tunneling Magnetoresistive Sensor With Composite Inner Pinned Layer**

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

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**ASSIGNOR:**

MIN LI  
Type or print name of ASSIGNOR  
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Nationality

**ASSIGNEE:**

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

and the successors, assigns and legal representatives of the ASSIGNEE

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**Low Resistance Tunneling Magnetoresistive Sensor With Composite Inner Pinned Layer**

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 this

5/15/07 (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.

Tony Zhao  
Signature of ASSIGNOR(S)

Hui-Chuan Wang

Chang

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. HT07-004

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Signature of ASSIGNOR(S)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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