#### 505011448 07/19/2018

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5058196

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
YI YANG	05/11/2018
DONGNA SHEN	05/11/2018
YU-JEN WANG	05/11/2018

### **RECEIVING PARTY DATA**

Name:	HEADWAY TECHNOLOGIES, INC
Street Address:	678 S. HILLVIEW DRIVE
City:	MILPITAS
State/Country:	CALIFORNIA
Postal Code:	95035

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15986244

### 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: 8454525863

Email: debbi@saileackerman.com **Correspondent Name:** SAILE ACKERMAN LLC Address Line 1: 28 DAVIS AVENUE

Address Line 4: POUGHKEEPSIE, NEW YORK 12603

ATTORNEY DOCKET NUMBER:	HT18-010
NAME OF SUBMITTER:	STEPHEN B ACKERMAN
SIGNATURE:	/Stephen B Ackerman/
DATE SIGNED:	07/19/2018

**Total Attachments: 2** 

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> **PATENT REEL: 046400 FRAME: 0693** 505011448

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:  YI YANG Type or print name of ASSIGNOR  Type or print name of ASSIGNOR  Type or print name of ASSIGNOR  I 278 Aber for a Dr.  Street Address Fremant, (A, TSA, 9453) City, State, Country, Zip City, State, Country, Zip City, State, Country, Zip WIJEN WANG Type or print name of ASSIGNOR  Type or print name of ASSIGNOR  Type or print name of ASSIGNOR  Street Address  YU-JEN WANG Type or print name of ASSIGNOR  Street Address  Type or print name of ASSIGNOR  Type or print name of ASSIGNOR  Street Address  Type or print name of ASSIGNOR  Type or print name of ASSIGNOR  Street Address	
receipt of which is hereby acknowledged, and for other good and valuable consideration,  ASSIGNOR:  YI YANG  Type or print name of ASSIGNOR  Type or print name of ASSIGNOR  1278 Aber ford Dr.  Street Address  Fremat, (A, 75A, 94539  City, State, Country, Zip  City, State, Country, Zip  WIND  Nationality  YU-JEN WANG  Type or print name of ASSIGNOR  YU-JEN WANG  Type or print name of ASSIGNOR  Street Address  Sun Jose, CA, USA, 95131  City, State, Country, Zip  Nationality	
Type or print name of ASSIGNOR  1298 Ocaso (amino Street Address Fremont, (A, USA, 94539) City, State, Country, Zip City, State, Country, Zip Nationality  YU-JEN WANG Type or print name of ASSIGNOR  Nationality  DONGNA SHEN  Type or print name of ASSIGNOR  Street Address Street Address Scan Jose, CA, USA, 95131 City, State, Country, Zip  Nationality  Nationality	ne
Type or print name of ASSIGNOR  1298 Ocaso (amino Street Address  Fremont, (A, USA, 94539) City, State, Country, Zip China Nationality  Type or print name of ASSIGNOR  1278 Aberford Dr. Street Address Street Address  Street Address  Sun Jose, CA, USA, 95/3/ City, State, Country, Zip City, State, Country, Zip Nationality  YU-JEN WANG Type or print name of ASSIGNOR  5655 Mixelle Divine	
Type or print name of ASSIGNOR 5655 Mixelle Drive	
City, State, Country, Zip  Nationality  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)    X	ns

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

<u>Highly Physical ION Resistive Spacer to Define Chemical Damage Free Sub 60NM MRAM Devices</u>

## HT18-010

and which is found in

$\mathbf{x}$	(a) U.S. patent application executed on even date herewith					
$\bar{\sqcap}$	(b) U.S. patent application executed on					
$\bar{\sqcap}$	(c) U.S. application serial no.		filed on			
	(d) U.S. patent no.	(also check (e) if foreig	issued gn application(s) is also being assigned)			
X	(e) and any legal equivalent	thereof in a foreign o	country, including the right to claim priority			
conti			said invention by the above application f, and as to letters patent any re-issue	•		
will b	ASSIGNOR hereby covenant be made or entered into which		nt, sale, agreement or encumbrance has is assignment.	been or		
may or p repre	nent facts and documents related be known and accessible to A proceeding related thereto are desentatives any and all papers	ting to said invention SSIGNOR and will t nd will promptly ex , instruments or affid invention and said	rill, upon its request, be provided promptly and said Letters Patent and legal equival testify as to the same in any interference, leavete and deliver to ASSIGNEE or it davits required to apply for, obtain, maintain Letters Patent and said equivalents thereors thereof.	lents as litigation ts legal in, issue		
IN W	ITNESS WHEREOF, I / We ha	ive signed				
WAR	RNING Date of signing must be the s	same as the date of execu	ution of the application if item (a) was checked above.  05-11-2018			
	ture of ASSIGNOR ture of ASSIGNOR		Date of Signing $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			
Signal	ture of ASSIGNOR		Date of Signing			

PATENT REEL: 046400 FRAME: 0695

**RECORDED: 07/19/2018**