RECORDATION FORM COVER SHEET PATENTS ONLY	12-27-2004 US Department of Commerce Patent & Trademark Office				
To the Assistant Commissioner of Patents: Plea	102825875 ———————————————————————————————————				
1. Name of conveying party(ies):	* 2. Name and address of receiving party(ies):				
Hua-Ching Tong Xizeng Shi	* Name: Read-Rite Corporation				
Subrata Dey Matthew Richard Gibbons	* Street Address: 345 Los Coches Street * City: Milpitas State: CA ZIP: 95035				
Additional name(s) & addresses of conveying party(ies) attached?Yes XX No	* Additional name(s) & address(es) of receiving * parties attached?Yes XX No				
3. Nature of conveyance: XX Assignment	Execution Date(s): September 30, 1999 September 30, 1999 September 30, 1999 September 30, 1999				
 4. Application number(s) or patent number(s): If this document is being filed together with a ne September 30, 1999; September 30, 1999; and A. Patent Application No.(s) Additional numbers attached? Yes XX No. 	* B. Patent No.(s)				
5. Name and address of party to whom correspondence concerning document should be mailed:	* 6. Total Number of applications and patents * involved: One *				
Name: Joseph A. Sawyer, Jr. Internal Address: Sawyer & Associates Street Address: P.O. Box 51418 Palo Alto, California 94303	* 7. Total fee (37 CFR 3.41)\$ 40.00 * Enclosed * XX Authorized to be charged to deposit account * 8. Deposit Account Number: 02-2120 (Sawyer & Associates) (Attach copy of this page)				
9. Statement and signature. To the best of my knowledge and belief, the forethe original document. Date	egoing information is true and correct and any attached copy is a true copy of Joseph A. Sawyer, Jr., Reg. No. 30,801				

Total number of pages including cover sheet, attachments, and documents: 4

Attorney Docket: 1228P/RR1506

Attorney Docket: 1228P/RR1506

ASSIGNMENT

WHEREAS, the undersigned, Hua-Ching Tong; Xizeng Shi; Subrata Dey; and Matthew Richard Gibbons (herein after called the Assignor), have invented certain new and useful improvements in

THERMALLY STABLE ADVANCE DUAL GIANT MAGNETORESISTANCE RECORDING HEAD

for which a United States patent application has been concurrently executed on the date of this assignment.

WHEREAS, READ-RITE Corporation., organized and existing under the laws of the State of Delaware, having a place of business at 345 Los Coches Street, Milpitas, California 95035 (hereinafter termed Assignee), is desirous of acquiring the entire right, title and interest in and to said application and said invention and improvements thereon, and in and to Letters Patents thereon when granted in the United States and foreign countries.

NOW, THEREFORE, for good and valuable consideration received by said Assignors from said Assignee, the receipt of which is hereby acknowledged by said Assignors:

- 1. Said Assignors do hereby sell, assign, transfer and convey unto said Assignee, the entire right, title and interest in and to said application and said invention and in and to any and all improvements on said invention and in and to any and all improvements on said invention heretofore or hereafter made or acquired by said Assignors; and in and to any and all Letters Patent on said invention and/or said improvements that may be granted in the United States or any foreign country, including each and every Letters Patent granted on any application which is a division, continuation, substitution, renewal, or continuation-in-part of any said application, and in and to each and every reissue or extension of said Letters Patent.
- 2. Said Assignors hereby covenant and agree to cooperate with said Assignee where said Assignee may enjoy to the fullest extent the right, title and interest herein conveyed. Such cooperation shall include (a) prompt execution of all papers (prepared at the expense of Assignee) which are deemed necessary or desirable by Assignee to perfect in it the right, title and interest herein conveyed, (b) prompt execution of all petitions, oaths, specifications or other papers (prepared at the expense of Assignee) which are deemed necessary or desirable by assignee for prosecuting said application, for filing and prosecuting divisional, continuation, substitution, renewal, continuation-in-part, or additional applications in the United States and/or foreign countries covering said invention and/or said improvements, for filing and prosecuting applications for reissuance of letters patent included herein, or for interference proceedings involving said invention and/or said improvements and (c) prompt assistance and cooperation in the prosecution of interference proceedings involving said invention and/or said improvements and in the adjudication of said Letters Patent, particularly by the disclosure of facts and the production of evidence relating to said invention and/or said improvements, provided the expenses which may be incurred by said Assignors in lending such assistance and cooperation shall be paid by the Assignee.
- 3. The terms, covenants and conditions of this assignment shall inure to the benefit of said Assignee, its successors, assigns and/or other legal representatives and shall be binding upon said Assignors, their heirs, legal representatives and assigns.
- 4. Said Assignors hereby warrant and represent that he has not entered into any assignment, contract or understanding in conflict herewith.

PATENT REEL: 015488 FRAME: 0169

WITNESS my hand and official seal.

Signature

NANCY A. BREEDING
Commission # 1172734
Notary Public - California
Santa Clara County
My Comm. Expires Feb 23, 2002

IN WITH SS WHEREO, are said Assignor has executed and delivered this instrument on the date set forth below.

9-30-99
Date

Xizeng Shi

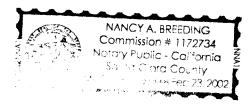
STATE OF CALIFORNIA

) ss COUNTY OF SANTA CLARA

On 9/39, 1999 before me, Arcy A. Bossoling
known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity(tee), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Dancy A. Breeding Signature



Attorney Docket: 1228P/RR1506 Page 3 of 3

IN WITNESS WHE	REOF, the said Assig	mor has executed a	nd delivered this ir	istrument on the date se	et forth below.
9/30/99 Date) 	Subrata Dey	ator		
Date		Subrata Dey			
STATE OF CALIFO)ss.				
within instrument ar	nd acknowledged to m	e that he executed	the same in his aut	onally appeared Subra erson(whose name) horized capacity() (), a the person() acted, ex	and that by his
WITNESS	my hand and official s	seal.			
Signature	cy A. Bre	teling		NANCY A. BREEDING Commission # 1172734 Notary Public - California Sama Clara County y Comm. Expires Feb 23, 200	NNAI 2
IN WITNESS WHE	REOF, the said Assig	gnor has executed a Matthew Richard	nd delivered this in	nstrument on the date s	et forth below.
STATE OF CALIFO)ss.				
subscribed to the wi	thin instrument and ac	cknowledged to me	that he executed the	conally appeared Matth to be the person (A) wh he same in his authoriz f of which the person (S)	ed capacity(ies), and
WITNESS	my hand and official s	seal.		NANCY A. BREEDING Commission # 1172734 Notary Public - Californi Santa Clara County My Comm. Expires Feb 23, 2	

RECORDED: 06/06/2004

PATENT REEL: 015488 FRAME: 0171