RR-1471 06-04-1999 J.S. DEPARTMENT OF COMMERCE FORM PTO-1595 (Modified) RECORDATI (Rev. 6-93) Patent and Trademark Office OMB No. 0651-0011 (exp.4/94) Copyright 1996-97 LegalStar P08A/REV02 101055777 Tab settings 🔷 🔷 To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): Name of conveying party(ies): Liubo Hong; Name: Read-Rite Corporation Kenneth E. Knapp Address: 345 Los Coches Street ☐ Yes 🛛 No Additional names(s) of conveying party(ies) 3. Nature of conveyance: ☐ Merger City: Milpitas _____ State/Prov.: CA ☐ Security Agreement ☐ Change of Name ZIP: 95305 Country: USA ☐ Other Execution Date: 5/13/99-5/18/99 □ No Additional name(s) & address(es) ☐ Yes 4. Application number(s) or registration numbers(s): If this document is being filed together with a new application, the execution date of the application is: B. Patent No.(s) Patent Application No. Filing date 09/272,057 March 18, 1999 ☐ Yes 🛛 No Additional numbers 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: Mark Lauer 7. Total fee (37 CFR 3.41):....\$ 40.00 36,578 Registration No. Enclosed - Any excess or insufficiency should be credited or debited to deposit account Address: 7041 Koll Center Parkway Authorized to be charged to deposit account Suite 280 8. Deposit account number: City: Pleasanton State/Prov.: CA __ ZIP: 94566 Country: USA DO NOT USE THIS SPACE 00000018 09272057 06/04/1999 MTHAI1 40.00 OP 01 90 56 tement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Mark Lauer

Signature

Total number of pages including cover sheet, attachments, and

Date

PATENT

REEL: 009991 FRAME: 0343

Name of Person Signing

Serial Number: 09/272,057 Docket Number: RR-1471

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, we, Liubo Hong and Kenneth E. Knapp (hereinafter referred to as ASSIGNORS), having post office addresses of: 945 Summerleaf Place, San Jose, CA 95123; and 3319 Hampstead Court, Livermore, CA 94550; respectively, are the joint inventors of an invention entitled "MR SENSOR WITH BLUNT CONTIGUOUS JUNCTIONS AND SLOW-MILLING-RATE READ GAP," filed March 18, 1999 as U.S. Patent Application Serial Number 09/272,057;

WHEREAS, Read-Rite Corporation (hereafter referred to as ASSIGNEE), a corporation of the State of Delaware having a place of business at 345 Los Coches Street, Milpitas, California 95035, is desirous of acquiring the entire right, title, and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign, and transfer unto said ASSIGNEE, the entire right, title, and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues, and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty, or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors an assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer, and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protection title to said invention or letters patent therefor.

IN WITNESS WHEREOF We have hereunto signed our names on the day and year set forth below

Hengline nventor's Signature	Liubo Hong Inventor's Printed Name	$\frac{5/13}{99}$
STATE OF))	
who is personally known by me exproved	, 19 <u>99</u> , before me personally ca	the same individual who executed
he foregoing assignment, and who acknow ourposes therein set forth.	vledged to me that he	own free will for the use and



Dancy A-Breeding
NOTARY PUBLIC
My Commission Expires: 2/23/92

PATENT REEL: 009991 FRAME: 0344

Docket Number: RR-1471

Terror's Signature	Kenneth E. Knapp Inventor's Printed Name	C/18/99 DATE
STATE OF CALIFORNIA COUNTY OF SANTA CLARA)))	
On this day of	, 19 <u>99</u> , before me personally can the basis of satisfactory evidence ged to me that he/ Ste executed the satisfactory	to be the same individual who
	NOTARY PUBLIC My Commission Expi	res: 2/23/02

ASSIGNMENT

U.S. Patent Application Serial Number: 09/272,057

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NANCY A. BREEDING

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