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3 SHEET

U.S. DEPARTMENT OF COMMERCE
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To the Honorable Commissioner of

ached original documents or copy thereof.

1. Name of conveying party(ies):

RONALD A. BARR
BILL W. CRUE
MING ZHAO

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: March 3, 1999

2. Name and address of receiving party(ies):

Name: READ-RITE CORPORATION

Internal Address:
Robert N. King

Street Address: 44100 Osgood Road

City: Fremont State: CA Zip: 94539

Additional name(s) & address(es) attached? ☐ Yes ☒ No

ic518 U.S. PTO
09/266678
03/11/99

09-266678

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:
March 3, 1999

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: MICHAELSON & WALLACE

Internal Address: Christopher R. Balzan

Street Address: 1001 Partridge Drive, Suite 330

City: Ventura State: CA Zip: 93003

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$40.00

☐ Enclosed

☒ Authorized to be charged to deposit account
50-0338

8. Charge any excess or credit any refund to deposit account number:

50-0338

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement 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.

Christopher R. Balzan Reg. No. 40,901
Name of Person Signing

Signature

Christopher R Balzan

Date

3/11/99

Total number of pages comprising cover sheet:

1

OMB No. 0651-0011

ASSIGNMENT

WHEREAS, **Ronald A. Barr**, residing at 111 Whit's Road, Mountain View, California 94040; **Bill W. Crue**, residing at 23760 Alamos Road, San Jose, California 95120; and **Ming Zhao**, residing at 40936 Canto Place, Fremont, California 94539 ("Assignors") have made certain new and useful inventions in **CURRENT PERPENDICULAR TO PLANE MAGNETORESISTIVE DEVICE WITH LOW RESISTANCE LEAD** and have disclosed the same in an application for Letters Patent of the United States therefor, said application having been executed by Assignor contemporaneously herewith;

WHEREAS, **READ-RITE CORPORATION** ("Assignee"), a California corporation having offices at 44100 Osgood Road, Fremont, California 94539, desires to acquire the entire right, title and interest in and to all inventions disclosed in said application;

NOW, THEREFORE, in consideration of good and valuable consideration to Assignor paid by Assignee, the receipt of which is hereby acknowledged, Assignor hereby does sell, assign and transfer unto said Assignee, its successors and assigns, the entire right, title and interest throughout the world in and to said inventions disclosed in said application; and in and to said application, including all priority rights for other countries arising from said application; and in and to all substitutions, divisions and continuations thereof; and in and to all Letters Patent, United States and foreign, and corresponding foreign rights, that may be granted for said inventions; and in and to all extensions, renewals and reissues thereof.

And Assignor hereby authorizes and requests the Commissioner of Patents of the United States and the duly constituted authorities of foreign countries to issue any Letters Patent which may be granted on said inventions, on any patent applications related thereto, and on any substitute, continuation, divisional or reissue applications on any of them, to said Assignee, its successor and assigns, as assignee of the entire right, title and interest therein and thereto.

IN WITNESS WHEREOF, the undersigned has executed and delivered this instrument this third day of March, 1998, and has executed the referenced patent application on the third day of March, 1998.



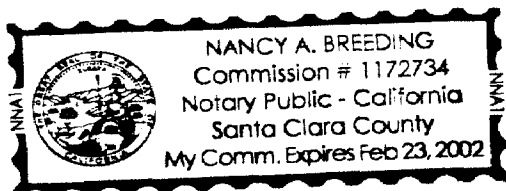
RONALD A. BARR, Assignor

STATE OF CALIFORNIA)
COUNTY OF SANTA CLARA) ss

On 3/3/99 before me, NANCY A. BREEDING, personally appeared RONALD A. BARR, personally known to me ~~or proved to me on the basis of satisfactory evidence~~ to be the person whose name is subscribed to this instrument and acknowledged to me that he/~~she~~ executed the same in his/~~her~~ authorized capacity, and that by his/~~her~~ signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal

Signature Nancy A. Breeding



IN WITNESS WHEREOF, the undersigned has executed and delivered this instrument this 3RD day of MARCH, 1999, and has executed the referenced patent application on the 3RD day of MARCH, 1999.

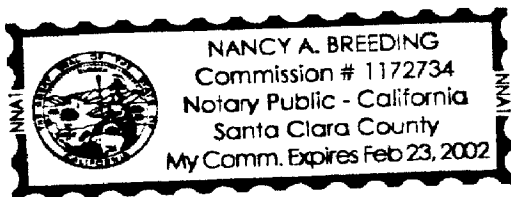
Billy W. Crue
BILL W. CRUE, Assignor

STATE OF CALIFORNIA)
) ss
COUNTY OF SANTA CLARA)

On 3/3/99 before me, NANCY A. BREEDING, personally appeared BILL W. CRUE, personally known to me ~~or proved to me on the basis of satisfactory evidence~~ to be the person whose name is subscribed to this instrument and acknowledged to me that he/~~she~~ executed the same in his/~~her~~ authorized capacity, and that by his/~~her~~ signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal

Signature Nancy A. Breeding



IN WITNESS WHEREOF, the undersigned has executed and delivered this instrument this
3rd day of March, 19 99, and has executed the referenced
patent application on the 3rd day of March, 19 99.

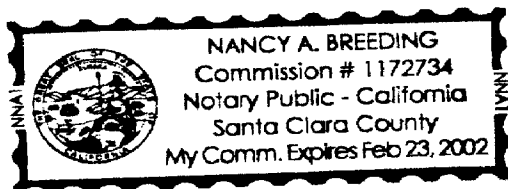
Ming Zhao
MING ZHAO, Assignor

STATE OF CALIFORNIA)
COUNTY OF SAN JUAN) ss

On 3/3/99 before me, Nancy A. Breeding
personally appeared Ming Zhao, personally known to
me ~~or proved to me on the basis of satisfactory evidence~~ to be the person whose name is
subscribed to this instrument and acknowledged to me that he ~~she~~ executed the same in his ~~her~~
authorized capacity, and that by his ~~her~~ signature on the instrument the person, or the entity
upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal

Signature Nancy A. Breeding



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