2007 03/02 FRI 8:26 FAX 949 672 6626

Form **PTO-1595** (Rev. 07/05) OMB_No. 0651-0027 (exp. 6/30/2008) U.S. DEPARTMENT OF COMMERCE United_States Patent and Trademark_Office

| RECORDATION FORM COVER SHEET | | | |
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| PATENTS ONLY R1550A | | | |
| To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below. | | | |
| 1. Name of conveying party(ies) | 2. Name and address of receiving party(ies) | | |
| Yiming Huai Geoff Anderson | Name: <u>READ-RITE CORPORATION</u> | | |
| Geon Anderson | Internal Address: | | |
| Additional name(s) of conveying party(ies) attached? 🔤 Yes 🗹 No | | | |
| 3. Nature of conveyance/Execution Date(s): | Street Address: | | |
| Execution Date(s)_July 15, 1999 | | | |
| Assignment Merger | | | |
| Security Agreement Change of Name | City: <u>FREMONT</u> | | |
| Joint Research Agreement | State: CALIFORNIA | | |
| Government Interest Assignment | Country: USA Zip: 94539 | | |
| Executive Order 9424, Confirmatory License | 2.p. <u>34003</u> | | |
| Other | Additional name(s) & address(es) attached? 🗌 Yes 🗹 No | | |
| 4. Application or patent number(s): This document is being filed together with a new application. | | | |
| A. Patent Application No.(s) | B. Patent No.(s) | | |
| 10/011,197 | | | |
| | | | |
| Additional numbers at | tached? Yes Vo | | |
| 5. Name and address to whom correspondence | 6. Total number of applications and patents | | |
| concerning document should be mailed: | involved: One (1) | | |
| Name: WESTERN DIGITAL TECHNOLOGIES, INC. | 7. Total fee (37 CFR 1.21(h) & 3.41) \$_40.00 | | |
| Internal Address: INTELLECTUAL PROPERTY DEPT. | | | |
| SUITE E118-G (DOCKETING) | Authorized to be charged to deposit account | | |
| Street Address: 20511 LAKE FOREST DRIVE | Enclosed | | |
| | None required (government interest not affecting title) | | |
| | 8. Payment Information | | |
| State: CALIFORNIA Zip: 92630 | a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number <u>23-1055</u> Authorized User Name <u>Milad G. Shara, Esg.</u> | | |
| Phone Number:(949) 672-7780 | | | |
| Fax Number: (949) 672-6604 | | | |
| Email Address: <u>sandra.genua@wdc.com</u> | | | |
| 9 Signatura: 0 | | | |
| Signature March 2, 2007 Date | | | |
| Jonathan E. Prejean, Esq., Reg. No. 52,132 Total number of pages Including cover | | | |
| Name of Person Signing sheet, attachments, and documents: 4 | | | |

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:

Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PATENT PAGE 2/577000341 3/200411:24:13 AM [Eastern Standard Time] * SVR:USPTO-EFXRF-6/36 * DNIS:2730140 * ISSID EXAL 67206028* 3DERATIO FORMATION (1991) 1917-30677

PATENT

Read-Rite Case No. RR 1550 Attorney Docket No. READ/081-98

Page 1 of 3

ASSIGNMENT

WHEREAS, Yiming Huai, residing at 2755 Huff Drive, Pleasanton, CA 94588; and GEOFF ANDERSON, residing at 7765 Canyon Meadows Circle, Apt. C., Pleasanton, CA 94588; ("Assignors") have made certain new and useful inventions in ULTRA THIN FREE LAYER SPIN-VALVE DEVICE WITH ENHANCEMENT LAYER 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, CA 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.

PATENT

PAGE 3/5 * RCVD AT 3/2/2007 11:24:13 AM [Eastern Standard Time] * SVR:USPTO-EFXRF-6/36 * DNIS:2730140 * ISSED EAD 6720 028* DERATIO Fractional Edit - 3/0 6 7 8

Assignment Read-Rite Case No. RR 1550 Attorney Docket No. READ/081-98

Page 2 of 3

| IN WITNESS WHEREOF, the undersigned has executed and delivered this instrument this | | | | |
|--|--|--|--|--|
| 15 day of $5ulg$, 1999 , and has executed the referenced | | | | |
| 15 day of $3ulg$, 1999 , and has executed the referenced patent application on the 15 day of $3ulg$, 1999 . | | | | |
| $2 + 2 \rho$ | | | | |
| - Jose Allar | | | | |
| YIMING HUAI, Assignor | | | | |
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| | | | | |
| STATE OF <u>California</u> , COUNTY OF <u>Alameda</u> | | | | |
| \sim | | | | |
| COUNTY OF <u>Ulameda</u> | | | | |
| | | | | |
| On <u>July 15, 1999</u> before me, <u>Lora M. Jimenez</u> , <u>Notary Public</u> personally appeared <u>Yiming Hugi</u> , personally known to | | | | |
| personally appeared Virgina Hugi | | | | |
| 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 WAN Angela Notary Public - Collifornica | | | | |
| Signature Sonta Clara County My comm. Explices Aug 27, 1999 | | | | |

PATENT PAGE 4/5 * RCVD AT 3/2/2007 11:24:13 AM [Eastern Standard Time] * SVR:USPTO-EFXRF-6/36 * DNIS:2730140 * RSHD H20.6726428* 3047AT1917; provide 1-30679

Assignment Read-Rite Case No. RR 1550 Attorney Docket No. READ/081-98

Page 3 of 3

| IN WITNESS WHEREOF, the undersigned has executed and delivered this instrument this |
|--|
| patent application on the <u>15</u> day of <u>July</u> , and has executed the referenced 19.9% |
| Get and -r |
| GEOFF ANDERSON, Assignor |
| |
| |
| STATE OF <u>California</u> |
| COUNTY OF <u>glameda</u>) ss |
| On July 15, 1999 before me, Lora M. Jimenez, Working Public personally appeared <u>Geoff Anderson</u> , 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 |
| a second acteur, executeu die instrument. |
| WITNESS my hand and official seal |

Signature



end of document

PATENT

PAGE 5/5 * RCVD AT 3/2/2007 11:24:13 AM [Eastern Standard Time] * SVR:USPTO-EFXRF-6/36 * DNIS:2730140 * RSED E4D 6720628* SDERATIO R DAT 3/2/2007 11:24:13 AM [Eastern Standard Time] * SVR:USPTO-EFXRF-6/36 * DNIS:2730140 * RSED E4D 6720628* SDERATIO R DAT 3/2/2007 11:24:13 AM [Eastern Standard Time] * SVR:USPTO-EFXRF-6/36 * DNIS:2730140 * RSED E4D 6720628* SDERATIO R DAT 3/2/2007 11:24:13 AM [Eastern Standard Time] * SVR:USPTO-EFXRF-6/36 * DNIS:2730140 * RSED E4D 6720628* SDERATIO R DAT 3/2/2007 11:24:13 AM [Eastern Standard Time] * SVR:USPTO-EFXRF-6/36 * DNIS:2730140 * RSED E4D 6720628* SDERATIO R DAT 3/2/2007 11:24:13 AM [Eastern Standard Time] * SVR:USPTO-EFXRF-6/36 * DNIS:2730140 * RSED E4D 6720628* SDERATIO R DAT 3/2/2007 11:24:13 AM [Eastern Standard Time] * SVR:USPTO-EFXRF-6/36 * DNIS:2730140 * RSED E4D 6720628* SDERATIO R DAT 3/2/2007 11:24:13 AM [Eastern Standard Time] * SVR:USPTO-EFXRF-6/36 * DNIS:2730140 * RSED E4D 6720628* SDERATIO R DAT 3/2/2007 11:24:13 AM [Eastern Standard Time] * SVR:USPTO-EFXRF-6/36 * DNIS:2730140 * RSED E4D 6720628* SDERATIO R DAT 3/2/2007 11:24:13 AM [Eastern Standard Time] * SVR:USPTO-EFXRF-6/36 * DNIS:2730140 * RSED E4D 6720628* SDERATIO R DAT 3/2/2007 11:24:13 AM [Eastern Standard Time] * SVR:USPTO-EFXRF-6/36 * DNIS:2730140 * RSED E4D 6720628* SDERATIO R DAT 3/2/2007 11:24:13 AM [Eastern Standard Time] * SVR:USPTO-EFXRF-6/36 * DNIS:2730140 * RSED E4D 6720628* SDERATIO R DAT 3/2/2007 11:24:13 AM [Eastern Standard Time] * SVR:USPTO-EFXRF-6/36 * DNIS:2730140 * RSED E4D 6720628* SDERATIO R DAT 3/2/2007 11:24:13 AM [Eastern Standard Time] * SVR:USPTO-EFXRF-6/36 * DNIS:2730140 * RSED E4D 6720628* SDERATIO R DAT 3/2/2007 11:24:13 AM [Eastern Standard Time] * SVR:USPTO-EFXRF-6/36 * DNIS:2730140 * RSED E4D 6720628* SDERATIO R DAT 3/2/2007 11:24:13 AM



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|---|----------------------|------------------------|
| CERTIFICATE OF FACSIMILE TRANSMISSION I hereby certify that this correspondence is being facsimile transmitted to the U.S. Patent and Trademark Office on the date indicated below. Renee M. Franks Typed/Printed Name | APPLICATION NO. | 10/011,197 |
| | FILING DATE | 11/08/2001 |
| | FIRST NAMED INVENTOR | Geoff Anderson, et al. |
| | ART UNIT | 2627 |
| Dence m. J. | CONFIRMATION NO. | 8161 |
| March 2, 2007 | EXAMINER | Craig A. Renner |
| Date | ATTORNEY DOCKET NO. | R1550A |
| TITLE SPIN VALVE SENSOR HAVING A NONMAGNETIC ENHANCEMENT LAYER ADJACENT AN ULTRA THIN FREE LAYER | | |

ATTACHED WITH THIS SUBMISSION:

- 1. Recordation Form Cover Sheet (1 page)
- 2. Assignments from Inventors to Read-Rite Corporation (3 pages)

PLEASE CONFIRM RECEIPT OF THIS TRANSMISSION. IF THERE IS ANY PROBLEM WITH THIS TRANSMISSION, PLEASE CALL RENEE M. FRANKS AT (949) 672-7871.

CONFIDENTIALITY NOTE

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