01-25-1999 U.S. Department of Commerce FORM PTO-1619A Patent and Trademark Office Expires 06/30/99 **PATENT** OMB 0651-0027 MRD 100947330 1.21.95 RECORDATION FORM COVER SHEET PATENTS ONLY TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies). Submission Type Conveyance Type X | Security Agreement X **Assignment** New Resubmission (Non-Recordation) License Change of Name Document ID# Correction of PTO Error Other Merger Reel# Frame # U.S. Government **Corrective Document** (For Use ONLY by U.S. Government Agencies) Reel# Frame # Departmental File Secret File Mark if additional names of conveying parties attached Execution Date Conveying Party(ies) Month Day Year Name (line 1) Read-Rite Corporation 08141998 Name (line 2) Execution Date Delaware corporation Month Day Second Party Name (line 1) Name (line 2) Receiving Party Mark if additional names of receiving parties attached If document to be recorded Name (line 1) Canadian Imperial Bank of Commerce is an assignment and the receiving party is not domiciled in the United Name (line 2) | New York Agency, as Agent States, an appointment of a domestic Address (line 1) representative is attached. 25 Lexington Avenue (Designation must be a separate document from Address (line 2) Assignment.) Seventh Floor Address (line 3) New York New York 10017 **Domestic Representative Name and Address** Enter for the first Receiving Party only. Name Address (line 1) Address (line 2) Address (line 3)

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Address (line 4)

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**REEL: 9706 FRAME: 0973** 

FORM PTO Expires 06/30/99 OMB 0651-0027	9-1619B	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT						
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Pages	Enter the total number of pagincluding any attachments.	ges of the attached conveyance docume	ent # 21						
Application	Number(s) or Patent Num	ber(s) Mark if ad	dditional numbers attached						
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	is being filed together with a <u>new</u> Pater st named executing inventor.	nt Application, enter the date the patent application	n was Month Day Year						
Patent Coop	peration Treaty (PCT)								
Enter PCT application number  only if a U.S. Application Number  PCT PCT PCT PCT PCT									
	<u>if</u> a U.S. Application Number not been assigned.	PCT PCT	PCT						
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Randall	A. Richmond	who ce	1/13/99						
Name	e of Person Signing	Signature	' Date						

## INTELLECTUAL PROPERTY SECURITY AGREEMENT

THIS INTELLECTUAL PROPERTY SECURITY AGREEMENT (this "Agreement"), dated as of August 14, 1998, is made between the corporations listed on Schedule 1 hereto (each a "Grantor" and collectively the "Grantors") and Canadian Imperial Bank of Commerce, New York Agency as agent for the Banks referred to below (in such capacity the "Agent").

Read-Rite Corporation (the "Borrower"), certain financial institutions as lenders (the "Banks"), Canadian Imperial Bank of Commerce, New York Agency, as issuer of letters of credit for the account of the Borrower (in such capacity, the "Designated Issuer") and the Agent are parties to a Credit Agreement dated as of October 2, 1997 (as amended, modified, renewed or extended from time to time, the "Credit Agreement").

The Grantors, other than the Borrower, are subsidiaries of the Borrower and receive substantial direct and indirect benefits from the extensions of credit and issuance of Letters of Credit for the Borrower under the Credit Agreement. Such Grantors are party to that certain Continuing Guaranty dated as of even date herewith in favor of the Agreement, Issuing Bank and Banks (as amended, modified, renewed or extended from time to time the "Guaranty"). All the Grantors are party to that certain Security Agreement dated of even date herewith between the Grantors and the Agent (as such agreement is amended, modified, renewed or extended from time to time the "Security Agreement").

It is a condition precedent to the borrowings and the issuance of Letters of Credit under the Credit Agreement that the Grantors enter into this Agreement and grant to the Agent, for itself and for the ratable benefit of the Issuing Bank and the Banks, the security interests in certain of their intellectual property rights hereinafter provided to secure the obligations of the Grantors described below. The Grantors have agreed to execute and deliver this Agreement to Agent for filing by Agent with the United States Patent and Trademark Office (the "PTO") and United States Copyright Office (the "Copyright Office") (and any other relevant recording systems in any domestic or foreign jurisdiction) as further evidence of and to effectuate such grant of a security interest in such intellectual property rights.

Accordingly, Grantors and Agent hereby agree as follows:

SECTION 1 <u>Definitions: Interpretation</u>. All capitalized terms used in this Agreement and not otherwise defined herein shall have the meanings assigned to them in the Security Agreement and the rules of construction set out in the Security Agreement shall be equally applicable hereto.

SECTION 2 Grant of Security Interest.

As a continuing security for the payment and performance of the Obligations, the Grantors hereby grant and convey a security interest in and mortgage to Agent of all of their respective rights, title and interests in, to and under the following property, whether now existing

or owned or hereafter acquired, developed or arising (collectively, the "Intellectual Property Collateral"):

- all intellectual property rights of any nature or character including, without limitation, and whether domestic or foreign: (i) all patents and patent applications, all licenses relating to any of the foregoing and all income and royalties with respect to any licenses, all rights to sue for past, present or future infringement thereof, all rights arising therefrom and pertaining thereto and all reissues, divisions, continuations, renewals, extensions and continuations-in-part thereof; (ii) all copyrights and applications for copyright, together with the underlying works of authorship (including titles), whether or not the underlying works of authorship have been published and whether said copyrights are statutory or arise under the common law, and all other rights and works of authorship, all rights, claims and demands in any way relating to any such copyrights or works, including royalties and rights to sue for past, present or future infringement, and all rights of renewal and extension of copyright; (iii) all state (including common law), federal and foreign trademarks, service marks and trade names, and applications for registration of such trademarks, service marks and trade names, all licenses relating to any of the foregoing and all income and royalties with respect to any licenses, whether registered or unregistered and wherever registered, all rights to sue for past, present or future infringement or unconsented use thereof, all rights arising therefrom and pertaining thereto and all reissues, extensions and renewals thereof; and (iv) all trade secrets, trade dress, trade styles, logos, other source of business identifiers, mask-works, mask-work registrations, mask-work applications, software, confidential information, customer lists, license rights, advertising materials, operating manuals, methods, processes, know-how, algorithms, formulae, databases, quality control procedures, product, service and technical specifications, operating, production and quality control manuals, sales literature, drawings, specifications, blue prints, descriptions, inventions, name plates and catalogs (the foregoing rights and interests collectively, the "Intellectual Property Rights") and including, without limitation, those Intellectual Property Rights listed, from time to time, on the Exhibits to this Agreement; and
- (ii) the entire goodwill of or associated with the businesses now or hereafter conducted by Grantors connected with and symbolized by any of the aforementioned properties and assets; and
- (iii) all products and proceeds at any time of any and all of the foregoing including products of products and proceeds of proceeds.

Notwithstanding the foregoing provisions of this Section 2, the grant of a security interest as provided herein shall not extend to, and the term "Intellectual Property Collateral" shall not include, any General Intangibles of a Grantor (whether owned or held as licensee or lessee, or otherwise), to the extent that (i) such General Intangibles are not assignable or capable of being encumbered as a matter of law or under the terms of the license or lease applicable thereto (but solely to the extent that any such restriction shall be enforceable under applicable law against an assignee), without the consent of the licensor or lessor thereof and (ii) such consent has not been obtained; provided, however, that the foregoing grant of security interest shall extend to, and the term "Intellectual Property Collateral" shall include, (A) any General Intangible which is an Account or a Proceed of, or otherwise related to the enforcement or collection of, any Account, or goods which are the subject of any Account, (B) any and all

Proceeds of any General Intangibles which are otherwise excluded to the extent that the assignment or encumbrance of such Proceeds is not so restricted, and (C) upon obtaining the consent of any such licensor or lessor with respect to any such otherwise excluded General Intangibles, such General Intangibles as well as any and all Proceeds thereof that might have theretofore have been excluded from such grant of a security interest and the term "Intellectual Property Collateral."

SECTION 3 Further Assurances: Appointment of Agent as Attorney-in-Fact. The Grantors at their expense shall execute and deliver, or cause to be executed and delivered, to Agent any and all documents and instruments, in form and substance satisfactory to Agent, and take any and all action, which Agent may request from time to time, to perfect and continue perfected, maintain the priority of or provide notice of Agent's security interest in the Intellectual Property Collateral and to accomplish the purposes of this Agreement. Agent shall have the right, in the name of the Grantors, or in the name of Agent or otherwise, upon notice to but without the requirement of assent by the Grantors, and the Grantors hereby constitute and appoint Agent (and any of Agent's officers or employees or agents designated by Agent) as the Grantors' true and lawful attorney-in-fact with full power and authority, to: (i) sign any financing statements and documents and instruments which Agent deems necessary or advisable to perfect or continue perfected, maintain the priority of or provide notice of Agent's security interest in the Intellectual Property Collateral; (ii) assert, adjust, sue for, compromise or release any claims under any policies of insurance; and (iii) execute any and all such other documents and instruments, and do any and all acts and things for and on behalf of the Grantors, which Agent may deem necessary or advisable to maintain, protect, realize upon and preserve the Intellectual Property Collateral and Agent's security interest therein and to accomplish the purposes of this Agreement, including (A) to defend, settle, adjust or institute any action, suit or proceeding with respect to the Intellectual Property Collateral, (B) to assert or retain any rights under any license agreement for any of the Intellectual Property Collateral, including without limitation any rights of the Grantors arising under Section 365(n) of the Bankruptcy Code, and (C) to execute any and all applications, documents, papers and instruments for Agent to use the Intellectual Property Collateral, to grant or issue any exclusive or non-exclusive license or sub-license with respect to any Intellectual Property Collateral, and to assign, convey or otherwise transfer title in or dispose of the Intellectual Property Collateral; provided, however, that Agent agrees that, except upon and during the continuance of a Default, it shall not exercise the power of attorney pursuant to clauses (ii) and (iii). The power of attorney set forth in this Section 3, being coupled with an interest, is irrevocable so long as this Agreement shall not have terminated.

SECTION 4 Future Rights. Except as otherwise expressly agreed to in writing by Agent, if and when any of the Grantors shall obtain rights to any new Intellectual Property Rights, or obtain rights or benefits with respect to any reissue, division, continuation, renewal, extension or continuation-in-part of any Intellectual Property Rights, or any improvement of any Intellectual Property Rights, which Intellectual Property Rights if existing at the date hereof would be within the scope of Section 2, the provisions of Section 2 shall automatically apply thereto. The Grantors shall give to Agent, at the times required under Section 5 of the Security Agreement, notice of any registrations or applications any Grantor may make or obtain to any Intellectual Property Rights. The Grantors shall do all things deemed necessary or advisable by Agent to ensure the validity, perfection, priority and enforceability of the security interests of Agent in such future acquired Intellectual Property Collateral. The Grantors hereby authorize

Agent to modify, amend, or supplement the Exhibits hereto and to reexecute this Agreement from time to time on Grantors' behalf and as their attorney-in-fact to include any such future Intellectual Property Collateral and to cause such reexecuted Agreement or such modified, amended or supplemented Exhibits to be filed with the PTO and/or Copyright Office as appropriate.

SECTION 5 Agent's Duties. Notwith standing any provision contained in this Agreement, Agent shall have no duty to exercise any of the rights, privileges or powers afforded to it and shall not be responsible to the Grantors or any other Person for any failure to do so or delay in doing so. Except for the accounting for moneys actually received by Agent hereunder or in connection herewith, Agent shall have no duty or liability to exercise or preserve any rights, privileges or powers pertaining to the Intellectual Property Collateral.

## SECTION 6 Agent's Rights and Remedies.

- (a) Upon and during the continuation of a Default, Agent shall have all rights and remedies available to it under this Agreement, the Security Agreement and applicable law with respect to the security interests in any of the Intellectual Property Collateral. Grantors agree that such rights and remedies include, but are not limited to, the right of Agent as a secured party to sell or otherwise dispose of the Intellectual Property Collateral pursuant to the UCC.
- (b) The cash proceeds actually received from the sale or other disposition or collection of Intellectual Property Collateral, and any other amounts received in respect of the Intellectual Property Collateral the application of which is not otherwise provided for herein, shall be applied as provided in the Security Agreement.

SECTION 7 Security Agreement. The provisions of Sections 11 through (and including) 20 and Section 24 of the Security Agreement are incorporated herein by reference and shall be applied as if references to the "Collateral," and "Agreement" therein were references to the Intellectual Property Collateral and this Agreement respectively. The Grantors acknowledge that the rights and remedies of the Agent with respect to the security interests in the Intellectual Property Collateral granted hereby are more fully set forth in the Security Agreement and that such rights and remedies are cumulative.

SECTION 8 Severability. Whenever possible, each provision of this Agreement shall be interpreted in such manner as to be effective and valid under all applicable laws and regulations. If, however, any provision of this Agreement shall be prohibited by or invalid under any such law or regulation in any jurisdiction, it shall, as to such jurisdiction, be deemed modified to conform to the minimum requirements of such law or regulation, or, if for any reason it is not deemed so modified, it shall be ineffective and invalid only to the extent of such prohibition or invalidity without affecting the remaining provisions of this Agreement, or the validity or effectiveness of such provision in any other jurisdiction.

SECTION 9 Counterparts. This Agreement may be executed in any number of counterparts and by different parties hereto in separate counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute but one and the same agreement.

IN WITNESS WHEREOF, the parties hereto have duly executed this Agreement, as of the date first above written.

THE GRANTORS

READ-RITE	CORPOR	ATION
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By: President and COO
Address: 345 Los Coches Milpitas, CA 95035
Attn: Fax No.: 408/956-3203
SUNWARD TECHNOLOGIES, INC.
By: Title: VPI Business Divelopment Jeneral Counsel and Secretary Address: 345 Los Coches Milpitas, CA 95035
Attn: Fax No.: 408/956-3203
SUNWARD TECHNOLOGIES, CALIFORNIA
By: Title: // Business Tevelopment Cleneral Counsel and Secretain Address: 345 Los Coches Milpitas, CA 95035
Attn: 408/956-3203

[COUNTERPART SIGNATURE PAGE TO INTELLECTUAL PROPERTY SECURITY AGREEMENT] PATENT

**REEL: 9706 FRAME: 0979** 

THE AGENT:

CANADIAN IMPERIAL BANK OF COMMERCE, NEW YORK AGENCY, as Agent

By: Title:

Managing Director

CIBC Oppenheimer Corp., AS AGENT

## SCHEDULE 1 to the Intellectual Property Security Agreement

## **GRANTORS**

Read-Rite Corporation

Sunward Technologies, Inc.

Sunward Technologies, California

S1-1

### **EXHIBIT A**

## Issued U.S. Patents of Grantors

Grantor Patent No. Issue Date Inventors Title Agen

Refer to Attached Schedule entitled "U.S. Patents of Grantors".

A-1

Number Number	Title	Author(s)	Date Filed	Date Issued
·				•
5,087,332	Process for Making a Thin Film Magnetic Head with Single Step Lift-Off	Johnny Chen	8/5/91	2/11/92
5,117,589	Adjustable Transfer Tool for Lapping Magnetic Head Sliders	Bischoff, Colc	3/19/90	6/2/92
5,173,826	Thin Film Head with Coils of Varying Thickness	Bischoff	6/3/91	12/22/92
5,203,119		Cole	3/22/91	4/20/93
5,214,589	Throat Height Control During Lapping of Magnetic Heads	Tang	3/22/91	5/25/93
5,237,476	L	Bischoff, Gooden, Leung	5/28/91	8/17/93
5,254,373	Process of Making Thin Film Magnetic Head	Barr	4/19/93	10/19/93
5,255,141	Read-Write Magnetic Head with Flux Sensing Read Element Valstyn, Nepela	Valstyn, Nepela	12/16/91	10/19/93
5,255,142	Thin Film Magnetic Head with Narrow Yoke	Williams, Bischoff, Akoh	11/12/91	10/19/93
5,256,266	<u> </u>	Blanchette, Maddex, Shimek	10/31/91	10/26/93
5,282,103	Magnetic Head Suspension Assembly Fabricated with Integral Load Beam and Flexure	Hatch, Leung	10/7/92	1/25/94
5,290,416	Unidirectional Field Generator	Tong, Newman, Wu	7/10/92	3/1/94
5,299,081	Magnetic Head Suspension Assembly	Hatch, Leung, Murray	8/5/92	3/29/94
5,309,305	Dual Element Magnetoresistive Sensing Head	Dan Nepela, Erich Valstyn	11/16/92	5/3/94
5,327,310	Thin Film Contact Recording Head	Bischoff, Leung, Murray	6/25/92	7/5/94
5,335,458	Processing of Magnetic Head Flexures with Slider Elements	ופ	9/23/91	8/9/94
5,339,702	Test Fixture for Air Bearing Magnetic Head Suspension Assembly	Viches	12/24/92	8/23/94
5,353,180	Air Bearing Magnetic Slider with Wishbone-Shaped Rails	Murray	3/1/93	10/4/94
5,357,389	Alumina Material Useful with Thin Film Heads	Blanchette, Maddex, Shimek	8/29/93	10/18/94
5,359,480	Magnetic Head Air Bearing Slider	Nepela, Leung, Chang	12/21/92	10/25/94

PATENT REEL: 9706 FRAME: 0983

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Patent Number	Title	Author(s)	Filed	Issued
	Configuring Domain Pattern in Thin Films of Magnetic Heads	Bischoff; Tong, Chen	7/20/92	12/13/94
5,385,637	Stabilizing Domains in Inductive Thin Film Heads	Thayamballi	12/7/92	1/31/95
5,386,666	Automated System for Controlling Taper Length During the Lapping of Air Bearing Surface of Magnetic Heads	Cole	2/11/93	2/7/95
5,396,387		Murray	11/30/92	3/7/95
5,406,432	with Separate Center	Миггау	9/7/93	4/11/95
5,410,794	rier Tool for Assembling a Head Arm Stack	Tucker, Heist	4/22/94	5/2/95
5,434,826	Multilayer Hard Bias Films for Longitudinal Biasing in Magnetoresistive Transducer	Ravipati, Shen	9/26/94	7/18/95
5,436,779	Integrated Yoke Magnetoresistive Transducer with Magnetic Shunt	Valstyn	3/31/94	7/25/95
5,438,273	System for Testing the Voice Coil Element of a Disk Drive Rotary Actuator	Gergel, Mahmoudian, Buttar, Motiska	9/1/94	8/1/95
5,438,470	Magnetoresistive Structure with Contiguous Junction Hard Bias Design with Low Lead Resistance	Ravipati, Shen, Cain	5/9/94	8/1/95
5,446,613	Magnetic Head Assembly with MR Sensor (CPP)	Rottmayer	2/28/94	8/29/95
5,452,168		Nepela, Cheng, Valstyn, Williams, Bischoff	5/4/92	9/19/95
5,465,477	Method of Assembling a Head Arm Stack for a Magnetic Disk Drive	Tucker, Heist	4/22/94	11/14/95
5,472,736	Method of Making a Bi-Level Coil for a Thin Film Magnetic Transducer	Barr, Hagen	12/7/92	12/5/95
5,473,485	Tripad Air Bearing Magnetic Head Slider	Leung, Gooden, Williams	3/6/92	12/5/95
5,473,486	Air Bearing Thin Film Magnetic Head with a Wear-Resistant End Cap Having Alternating Laminations	Nepela, Schmidt	9/20/93	12/5/95
5,504,999	Method and Apparatus for Compensating for Process Variations in an Automatic Positioning System	Barr	12/7/92	4/9/96

Patent Number 5,508,868		Author(s) Cheng, Nepela	Date Filed	
	Bearing Slider Surfaces for Reactive Ion g us for Blending Air Bearing Sliders	Hussinger Carlson, Pa, Allen	5 1 '	3/27/95 6/15/94
5,529,814		Tan, Tan, Tong	<b>├──</b>	10/19/95
5,535,074	Down Head into a Space Between	Leung	<b></b>	5/4/92
5,568,332	Magnetic Head Suspension	Khan		12/3/93
5,567,864	Method and Apparatus for Calibration of a Transducer Flying Height Measurement Instrument	Coon, Watkins, Kropp	+	6/22/94
5,568,981	Negative Pressure Air Bearing Slider	Nepela	-	8/19/94
5,576,914	Compact Read/Write Head Having Biased GMR Element	Rottmayer	+-	11/14/94
5,578,342	Alignment of Magnetic Poles of Thin Film Transduceder	Tran	$\vdash$	7/5/95
5,602,699		Khan	-	6/29/95
5,606,476	Altitude Insensitive Air Bearing Slider	Chang, Hsia	+-	7/13/95
5,612,098	Method of Forming a Thin Film Magnetic Structure Having Ferromagnetic and Antiferromagnetic Layers	Tan, Tong, Liu, Tan .,	<del> </del>	8/14/96
5,612,839	Contact Recording Slider with Active Contact Surface	Jacques	-	7/18/94
5,617,278	Magnetic Head Structure with Reduction of Magnetic Domain Instability	Cheng, Tong, Cain	<del> </del>	3/20/95
5,627,704	Thin Film Giant Magnetoresistive CPP Transducer with Flux Guide Yoke Structure	Lederman, Kroes	<del> </del>	2/12/96
5,646,805	Magnetoresistive Read Transducer with Partially Abutted	Shen, Rudy, Clark		3/6/95

	U.D. A alcalo	Or Grantors		
Patent Number	Title	Author(s)	Date Filed	Late Issued
5,654,851	Head Arm Assembly having an Integral Arm with a Portion Encased in a Rigid Molded Material	Tucker, Heist	7/21/95	8/5/97
5,657,191	Stabilization of Giant Magnetoresistive Transducers	Yuan	9/18/95	8/12/97
5,668,477	Noise Detecting Apparatus for Magnetic Heads	Mahmoudian, Buttar, Gergel, Motiska	2/16/95	9/16/97
5,680,213	Optics Method and Fixture for Assembling and Testing a Magnetic Head	Hunsaker, Darr	2/7/97	10/21/97
5,685,645	5 Roll Balanced Sub-ambient Pressure Air Bearing Slider	Nepela, Chang	8/13/96	11/11/97
5,694,276	Shielded Magnetic Head Having an Inductive Coil with Low Mutual Inductance	Shen, Rudy, Retort	7/1/96	12/2/97
5,704,715	5 Altitude Insensitive Air Bearing Slider	Chang, Hsia, Levi, Lee	12/9/96	1/6/98
5,705,973	Bias-Free Symmetric Dual Spin Valve Giant  Magnetoresistance Transducer	Yuan, Tong, Liu, Tan	8/26/96	1/6/98
5,707,538	8 Variable Gap Magnetoresistive Transducer and Method of Making the Same	Shen, Chuang	7/28/95	1/13/98
5,708,358	8 Spin Valve Magnetoresistive Transducers having Permanent Magnets	Ravipati	3/21/96	1/13/98
5,717,550	Antiferromagnetic Exchange Biasing using Buffer Layer	Nepela, Lederman	11/1/96	2/10/98
5,726,841	Thin Film Magnetic Head with Trimmed Pole Tips Etched by Focused Ion Beam for Undershoot Reduction	Tong, Liu, Yuan, Riedlin, Thayamballi	6/11/96	3/10/98
5,727,308	Thin Film Magnetic Head and Method of Fabrication	Leung, Bond, Nepela	6/25/96	3/17/98
5,731,937	Giant Magnetoresistive Transducer with Increased Output Signal	Yuan	8/22/97	3/24/98
5,734,533	3 Dual Gap Magnetic Head and Method of Making the Same	Nepela	5/15/96	3/31/98
5,739,987	7 Magnetoresistive Read Transducer with Multiple Longitudial Stabilization Layers	Yuan, Nepela, Lederman	6/4/96	4/14/98
5,739,990		Ravipati, Yuan	11/13/96	4/14/98
5,740,148	8 Stationary Optical Data Storage System using Holographic or Acousto-optical Deflection	Ja, Hong	1/7/97	4/14/98

	C.D. A STANK	C.D. A ALCHE VI CHAMILUID		
Patent Number	Title	Author(s)	Date Filed	Date   Issued
5,742,162	Magnetoresistive Spin Valve Sensor with Multilayered Keeper .:	Nepela, Lederman	7/17/96	4/21/98
5,742,459	Magnetic Head Having Encapsulated Magnetoresistive Transducer and Multilayered Lead Structure	Shen, Torng, Nepela	6/20/96	4/21/98
5,742,581	Transmissive Optical and Magneto-optical Data Storage Media	Ja	1/7/97	4/21/98
5,748,413	Magnetoresistive Read Transducer with Exchange Biasing of Magnetoresistive Sensor and Soft Adjacent Layer	Lederman, Yuan	6/4/96	5/5/98
5,750,275	Thin Film Heads with Insulated Laminations for Improved High Frequency Performance	Katz, Berger	7/12/96	5/12/98
5,751,528	Multilayer Exchange Coupled Magnetic Poles with Approximate Zero Magnetostriction	Nepela, Sarhadi	5/15/96	5/12/98
5,754,367	Air Bearing Slider having Etched and Shaped Leading Edge Taper	Chang, Levi	5/19/97	5/19/98
5,758,406	Methods for Assembling and Electrical Testing of a Magnetic Head	Hunsaker, Darr	2/7/97	6/2/98
5,764,451	Multi-Tapped Coil Having Tapped Segments Casaded for Amplification for Improving Signal-to-Noise Ratio	Katz	11/4/97	6/9/98
5,768,073	Thin Film Magnetic Head With Reduced Undershoot	Nepela, Bond,	2/7/97	6/16/98
5,771,138	Head Gimbal Assembly with Transducer Wires Attached at Two Points to Slider	Zarouri, Singh, Bower	7/25/96	6/23/98
5,772,493	Method and Apparatus for Controlling the lapping of Magnetic Heads	Rottmayer, Tang	7/31/95	6/30/98
5,784,224	Compact Read/Write Head having Biased GMR Element	Rottmayer, Zhu	7/17/98	7/21/98
5,784,228	Thin Film Magnetic Head with Compound Angled Insulation Layer	Thomas, Tran, Lec	7/9/97	7/21/98

	5,156,704	5,138,507.	5,027,240	5,008,768	4,371,905	Technol	5,/95,448	1	7,001,001	5 801 531	5,796,558	5,795,451	5,793,577	5,793,279	5,793;550	5,792,547	Number	Patent
	Method for Fabricating Magnetic Head Air Bearing Sliders	Disk Head Assembly Flexure with Improved Motion Stability	Disk Head Assembly Load Beam	Disk Head Assembly Flexure	High Resolution Hall Effect Read Head	Technologies, Inc. in 1990. Therefore, Read-Rite Corporation owns these paten	Magnetic Device for Rotating a Substrate Hurwitt		Components	Testing Apparatus and Method for Magnetic Disk Drive	Adaptive Suspension	Sputtering Apparatus with a Rotating Magnet Array	Pole Shaping of Planar Thin Film Heads	Superlattice Spacers for Spin Valves	Magnetoresistive Head Using Sense Currents of Opposite Polarities	Laminated Thin Film Heads	Title	
	Kemp	Zarouri, Carlson, Coon	Zarouri, Carlson	Carlson	Valstyn, Kelley	is these patents by virtue of its ownership of Sunward.	-		Weber, Rudman	Viches, Mahmoudian, Buttar, Gergel,	Hanrahan, Khan	Tan, Pearson	Katz, Devillier	Nepela	Nepela, Rana	Liu, Tan, Tong	Author(s)	
	6/1/90	8/23/90	3/27/89	4/16/91	11/13/80	ship of Su	12/8/95		26//1/01	30/17/06	5/15/97	6/12/97	11/1/96	8/26/96	4/23/96	2/26/96	Filed	Date
	10/20/92	8/11/92	6/25/91	3/27/89	2/1/83	nward.	12/8/95 8/18/98		9/1/98	0/1/08	8/18/98	8/18/98	8/11/98	8/11/98	8/11/98	8/11/98	Issued	Date

### **EXHIBIT A**

## Pending Patent Applications of Grantors

Grantor

Application No.

Filing Date

Inventors

<u>Title</u>

(Omitted for confidentiality purposes pursuant to 37 C.F.R 1.12 and section 301.01 of the Manual of Patent Examining Procedure.)

A-2

### **EXHIBIT B**

## U.S. Trademarks of Grantors

<u>Grantor</u>	Registration <u>No.</u>	Registration Date	Filing Date	Registered <u>Owner</u>	<u>Mark</u>
	1,897, 359	6/6/95		Read-Rite Corp	Read-Rite and Design RR Read-
	1,897,360	6/6/95		Read-Rite Corp.	Rite and Design

### EXHIBIT B

## Pending U.S. Trademark Applications of Grantors

Application No.

Grantor

Filing Date

**Applicant** 

Mark

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None.

B-2

SFRLIB1'GAH'5(19986.03

Copyrights of Grantors

None.

Mask-Works of Grantors

None.

C-1

## U.S. Copyright/Mask-Work Registrations of Grantors

Grantor Copyright/Mask Work

Reg. No.

Date of Issue

None.

C-2

SFRLIBI'GAH3119986 03

U.S. Copyright/Mask-Works Applications of Grantors

Grantor Copyright/Mask Work

Application No.

Date of Application

None.

C-3

SFRLIBI'GAH'J119986 03

## Copyright/Mask-Work Licenses of Grantors

Grantor

Copyright/Mask Work Owner

Reg. No.

Date of Issue

None.

C-4

SFRLIB1'GAH'3119986.03

**RECORDED: 01/21/1999**