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03-14-2000

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

	289438 ————			
To the Honorable Commissioner of Patents and Trademarks:	Please record the attached original documents or copy thereof.			
1. Name of conveying party(ies):  Execution Date:  KENNETH KNAPP 12-22-99 RONALD A. BARR 01-25-99 CHIH-HUANG LAI 12-30-99 ROBERT ROTTMAYER 01-08-00  Additional name(s) of conveying party(ies) attached? [] Yes [X] No	2. Name and address of receiving party(ies):  Name: READ-RITE CORPORATION Internal Address: Robert N. King  Street Address: 44100 Osgood Road			
3. Nature of conveyance:	City: Fremont State: CA Zip: 94539			
[X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other  Execution Date: See Above	Additional name(s) & address(es) attached? [] Yes [x] No			
Application number(s) or patent number(s):  If this document is being filed together with a new application.	on, the execution date of the application is: <b>Herewith</b>			
A. Patent Application No.(s)	B. Patent No.(s)			
Additional numbers attr	ached? [] Yes [x] No			
Name and address of party to whom correspondence concerning document should be mailed:  Name: MICHAELSON & WALLACE	Total number of applications and patents involved:     1			
Internal Address: Eric J. Aagaard n	7. Total fee (37 CFR 3.41):\$40.00			
Street Address: 1001 Partridge Drive, Suite 330	[X] Authorized to be charged to deposit account 50-0338			
City: Ventura State: CA Zip: 93003	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)			
DO NOT USE THIS SPACE				
9. Statement and signature. To the best of my knowledge and belief, the foregoing inforture copy of the original document.  Eric J. Aagaard Reg. No. 40,478 Name of Person Signing  33/09/2000 DNGUYEN 00000203 500338 09497857	rmation is true and correct and any attached copy is a  2/4/00  Date			
FC:581 40.00 CH Total number of pages comprising cover sheet:				
OMB No. 0651-0011				

Read-Rite Case No. RR 1439 Attorney Docket No. READ/055-99

Page 1 of 5

## **ASSIGNMENT**

WHEREAS, Kenneth E. Knapp, residing at 3319 Hampstead Court, Livermore, California 94550; Ronald A. Barr, residing at 111 Whit's Road, Mountain View, California 94040; Chih-Huang Lai, residing at 4F, 21, Alley 7, Lane 384, Sec. 1, Chung-Hua Road, HsinChu, 300, Taiwan, R.O.C.; and Robert Rottmayer, residing at 1100 Liberty Avenue, Pittsburgh, Pennsylvania 15222; ("Assignors") have made certain new and useful inventions in MAGNETORESISTIVE HEAD STABILIZED STRUCTURE AND METHOD OF FABRICATION THEREOF 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.

Assignment Read-Rite Case No. RR 1439 Attorney Docket No. READ/055-99

Page 2 of 5

IN WITNESS WHEREOF, the undersigned has executed and delivered this instrument this
day of December, 1999, and has executed the referenced
patent application on the 22 day of December, 1999, and has executed the referenced, 1999.
KENNETH E. KNAPP, Assignor
state of <u>California</u> ) county of <u>Alameda</u> )
COUNTY OF Alameda ) ss
on <u>December 37, 1999</u> before me, <u>Olivia Guzman-Pethy</u> , personally appeared <u>Kenneth E knapp</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 upon behalf of which the person acted, executed the instrument.
WITNESS my hand and official seal
Signature Ollum Commission # 1239550  Notary Public - California Alameda County  My Comm. Expires Oct 24, 2003

Page 3 of 5

IN WITNESS WHEREOF, the undersigned has	executed and delivered this instrument this
75 day of January	, 19 2000, and has executed the referenced
25 day of Janesey  patent application on the 25 day of	Janeany, 2000.
Im 9	Mon
RÓNALD A. BARF	k, Assignor
CTATE OF CA	,
STATE OF CALIFORNIA	<i>)</i> ) ss
COUNTY OF SAWTA CLARA	) 55
COUNTI OF CHAPTA	
On To the hefore me	MANO PIDEIRO
On January 21, 2000 before me, personally appeared Rovars A. B.	personally known to
me or proved to me on the basis of satisfactor	ory 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 in	nstrument.
or many	
WITNESS my hand and official seal	
1	MARIO RIBEIRO
	Comm. #1142625
Signature Law Fibin	SANTA CLARA COUNTY
	Comm. Exp. June 19, 2001

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IN WITNESS WHEREOF,	the undersigned has e	xecuted as	nd delivered this instrument this
day of		, 19	, and has executed the referenced
patent application on the	day of		, and has executed the referenced, 19
•	CHIH-HUANG LAI	I, Assigno	or .
STATE OF		_)	
		) ss	
COUNTY OF		_)	
On	before me, _	v evidenc	, personally known to be to be the person whose name is
subscribed to this instrument authorized capacity, and that	at and acknowledged to t by his/her signature of	o me that on the inst	he/she executed the same in his/her rument the person, or the entity upon
behalf of which the person a	acted, executed the ins	strument.	
WITNESS my hand and off	icial seal		
Cianotura			

			nd delivered this instrument this
patent application on the	day of	, 1	, and has executed the referenced, 19
	ROBERT ROTTMA	YER, A	Assignor
STATE OF		_)	
STATE OF		) ss _)	
On	before me,		,
personally appeared	1 1 6 1 6	• 1	, personally known to ce to be the person whose name is
me or proved to me on t	the basis of satisfactor	y evidend	he/she executed the same in his/her
			rument the person, or the entity upon
behalf of which the person			
WITNESS my hand and of	ficial seal		
Signature			

I.

Read-Rite Case No. RR 1439 Attorney Docket No. READ/055-99

Page 1 of 5

## **ASSIGNMENT**

WHEREAS, Kenneth E. Knapp, residing at 3319 Hampstead Court, Livermore, California 94550; Ronald A. Barr, residing at 111 Whit's Road, Mountain View, California 94040; Chih-Huang Lai, residing at 4F, 21, Alley 7, Lane 384, Sec. 1, Chung-Hua Road, HsinChu, 300, Taiwan, R.O.C.; and Robert Rottmayer, residing at 1100 Liberty Avenue, Pittsburgh, Pennsylvania 15222; ("Assignors") have made certain new and useful inventions in MAGNETORESISTIVE HEAD STABILIZED STRUCTURE AND METHOD OF FABRICATION THEREOF 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.

Page 2 of 5

IN WITNESS WHEREOF, the	undersigned has exec	cuted and	d delivered this instrument this
patent application on the	day of	., 17	, and has executed the referenced, 19
KE	NNETH E. KNAPP	, Assign	or
STATE OF	)		
COUNTY OF	)	SS	
On	before me,		
personally appeared	· · · · · · · · · · · · · · · · · · ·		, personally known to
me or proved to me on the ba	asis of satisfactory e	vidence	to be the person whose name is
subscribed to this instrument an	nd acknowledged to n	ne that h	ne/she executed the same in his/her
authorized capacity, and that by	his/her signature on t	he instru	iment the person, or the entity upon
behalf of which the person acted	1, executed the instru	ment.	
WITNESS my hand and official	. seal		
Signature			

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IN WITNESS WHEREOF, the	_		
patent application on the	day of	,	, and has executed the referenced, 19
RO	NALD A. BARR	, Assigno	r
STATE OF		_)	
COUNTY OF		_ ) _ ) ss _ )	
		)	
On	before me,		, personally known to e to be the person whose name is
personally appeared		·····	, personally known to
me or proved to me on the ba	asis of satisfactor	y evidence	e to be the person whose name is
subscribed to this instrument an	d acknowledged	to me that	he/she executed the same in his/her
authorized capacity, and that by	his/her signature	on the insti	rument the person, or the entity upon
behalf of which the person acted	i, executed the in	strument.	
WITNESS my hand and official	seal		
Signature			

Page 4 of 5

IN WITNESS WHERE	JF, the undersigned has	executed and	denvered this instrument this
≥ th day of	December	, <b>1</b> 999	, and has executed the referenced
patent application on the	ج کی اللہ day of	December	, 19 <u>99</u>
•	CHIH-HUANG LA	any V	£
STATE OF	Alexander and the second		
COUNTY OF		) ss )	
On	before me,		
personally appeared			, personally known to
me or proved to me of subscribed to this instru- authorized capacity, and	ment and acknowledged	ory evidence to me that he on the instrum	to be the person whose name is /she executed the same in his/her ment the person, or the entity upon
WITNESS my hand and	l official seal		
a			

			ad delivered this instrument this and has executed the referenced
patent application on the	day of		, and has executed the referenced, 19
	ROBERT ROTTMA	YER, A	ssignor
STATE OF		_)	
COUNTY OF		) ss _)	
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personally appeared			, personally known to
me or proved to me on t	he basis of satisfactor	y evidenc	e to be the person whose name is
	<del>-</del>		he/she executed the same in his/her
* * * * * * * * * * * * * * * * * * *	<del>-</del>		ument the person, or the entity upon
behalf of which the person	acted, executed the ins	trument.	
WITNESS my hand and of	ficial seal		
Ciamotomo			

Read-Rite Case No. RR 1439 Attorney Docket No. READ/055-99

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Page 2 of 5

IN WITNESS WHEREOF, the	undersigned has exe	cuted ar	and has accounted the reference 1
patent application on the	day of	_, 19	, and has executed the referenced, 19
KE	NNETH E. KNAPP	, Assign	nor
STATE OF	)		
COUNTY OF	)	SS	
On	before me,		
personally appeared			, personally known to
me or proved to me on the o	asis of satisfactory of	evidence	e to be the person whose name is
			he/she executed the same in his/her
2 7	<del>-</del>		ument the person, or the entity upon
behalf of which the person acted	d, executed the instru	ıment.	
WITNESS my hand and official	l seal		
Signature		<del></del>	

			nd delivered this instrument this
day of		, 19	, and has executed the referenced
patent application on the	day of		, and has executed the referenced, 19
RO	NALD A. BARR	, Assigno	r
STATE OF		_)	
STATE OF		) ss	
On	before me		
norconally appeared	before me, _		nersonally known to
subscribed to this instrument an	nd acknowledged t his/her signature o	o me that on the inst	, personally known to e to be the person whose name is he/she executed the same in his/her rument the person, or the entity upon
WITNESS my hand and officia	l seal		
Signature			

IN WITNESS WHEREOF, th	e undersigned has ex	xecuted an	d delivered this instrument this
day of		, 19	, and has executed the referenced
patent application on the	day of		, and has executed the referenced, 19
C	CHIH-HUANG LAI	, Assignor	······································
STATE OF		_)	
COUNTY OF		) ss )	
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personally appeared			, personally known to
subscribed to this instrument	and acknowledged to by his/her signature o	o me that instr on the instr	e to be the person whose name is he/she executed the same in his/her rument the person, or the entity upon
WITNESS my hand and offic	ial seal		
Signature			

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Page 5 of 5

IN WITNESS WHEREOF, the undersigned has executed and delivered this instrument this
8724 day of January, 19200 and has executed the referenced
Style day of Thrunky, 19200 and has executed the referenced patent application on the day of , 19
ROBERT ROTTMAYER, Assignor
STATE OF $f(m \sim 5/4\nu R \sim 1R)$
STATE OF PONNSYLVANIA)  COUNTY OF Alleshen
,
On Thouns 8, 2000 before me, Hick F. Ambrogio, personally appeared Rottmayer, 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 MI Filling
Notarial Seal Nick F Ambrogio, Notary Public McCandless Twp., Allegheny County My Commission Expires Sept. 3, 2001 Member Pennsylvania Association of Notaries

**REGORDED: 02/04/2000**