

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Albert W. Vinal	05/24/1991
RECEIVING PARTY DATA	
Name:	Thunderbird Technologies, Inc.
Street Address:	1000 Perimeter Park Drive
Internal Address:	Research Triangle Park
City:	Durham
State/Country:	NORTH CAROLINA
Postal Code:	22709
PROPERTY NUMBERS Total: 2	
Property Type	Number
Patent Number:	5363001
Patent Number:	5391949
CORRESPONDENCE DATA	
Fax Number:	(408)446-4690
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	(408) 886-5422
Email:	mark.salvatore@tplgroup.net
Correspondent Name:	Mark Salvatore
Address Line 1:	20883 Stevens Creek Boulevard
Address Line 2:	Suite 100
Address Line 4:	Cupertino, CALIFORNIA 95014
ATTORNEY DOCKET NUMBER:	TBIRD-004-D2 / 004-C1-C1
NAME OF SUBMITTER:	Mark Salvatore
Total Attachments: 3 source=Assignment_001-949#page1.tif source=Assignment_001-949#page2.tif source=Assignment_001-949#page3.tif	

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PATENT
REEL: 026752 FRAME: 0601



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THE COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

CASE DOCKET NO.: 4134-7
ORDER NO.: 8125
DATE: May 31, 1991

"Express Mail" mailing label number B 68545329
Date of Deposit May 31, 1991

Sir:

Transmitted herewith for filing is
the patent application of:

Inventor: Albert W. Vinal

For: DIFFERENTIAL LATCHING INVERTER AND RANDOM ACCESS MEMORY
USING SAME

I hereby certify that this paper or fee is being deposited
with the United States Postal Service "Express Mail
Post Office to Addressee" service under 37 CFR 1.10
on the date indicated above and is addressed to the
Commissioner of Patents and Trademarks, Washington,
D. C. 20231.

James L. Hicks, Sr.

Enclosed are:

- ☒ [X] 12 sheets of formal drawings
- ☒ [X] An assignment of the invention to Thunderbird Technologies, Inc.
- ☐ [] A certified copy of a _____ application
- ☐ [] An associate power of attorney
- ☒ [X] A verified statement to establish small entity status under 37 CFR 1.9
and 37 CFR 1.27
- ☐ [] The filing fee has been calculated as shown below:

FOR:	(Col. 1)	(Col. 2)	SMALL ENTITY		OTHER THAN	
	NO. FILED	NO. EXTRA	RATE	FEE	SMALL ENTITY	RATE FEE
BASIC FEE:				\$ 315	OR	\$ 630
TOTAL CLAIMS: 102 - 20 = *	82		x 10 =	\$ 820	OR	x 20 =
INDEP CLAIMS: 11 - 3 = *	8		x 30 =	\$ 240	OR	x 60 =
[X] MULTIPLE DEPENDENT CLAIM PRESENTED			+100 =	\$ 100	OR	+200 =
*If the difference in Col. 1 is less than zero, enter "0" in Col. 2.			TOTAL:	\$1475	OR	TOTAL: \$

- ☐ [] Please charge my Deposit Account No. 16-0605 in the amount of \$_____.
- ☐ [] A duplicate copy of this sheet is enclosed.
- ☐ [] A check in the amount of \$_____ to cover the filing fee is enclosed.
- ☒ [X] A check in the amount of \$1483.00 to cover the filing fee PLUS THE
ASSIGNMENT RECORDING FEE (additional \$8) is enclosed.
- ☒ [X] The Commissioner is hereby authorized to charge payment of the following
fees associated with this communication or credit any overpayment to
Deposit Account No. 16-0605. A duplicate copy of this sheet is
enclosed.
- ☒ [X] Any additional filing fees required under 37 CFR 1.16.
- ☒ [X] Any patent application processing fees under 37 CFR 1.17.
- ☒ [X] The Commissioner is hereby authorized to charge payment of the following
fees during the pendency of this application or credit any overpayment
to Deposit Account No. 16-0605. A duplicate of this sheet is enclosed.
- ☒ [X] Any patent application processing fees under 37 CFR 1.17.
- ☐ [] The issue fee set in 37 CFR 1.18 at or before mailing of the
Notice of Allowance, pursuant to 37 CFR 1.311(b).
- ☒ [X] Any filing fees under 37 CFR 1.16 for presentation of extra claims.

Respectfully submitted,

93208324

Mitchell S. Bigal
Registration No. 29,614
Attorney of Record

Well, Seltzer, Park & Gibson, PA
Post Office Drawer 34009
Charlotte, North Carolina 28234
phone: (704) 377-1561

ASSIGNMENT

THIS ASSIGNMENT, made by me, Albert W. Vinal, a citizen of the United States of America, residing at Cary, County of Wake, State of North Carolina,

WITNESSETH: That,

WHEREAS, I am the sole inventor of certain new and useful improvements in DIFFERENTIAL LATCHING INVERTER AND RANDOM ACCESS MEMORY USING SAME for which an application for United States Letters Patent has been executed by me concurrently herewith, and

WHEREAS, Thunderbird Technologies, Inc., a North Carolina corporation having a principal place of business at 1000 Perimeter Park Drive, Research Triangle Park, County of Durham, State of North Carolina, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I have sold and by these presents do hereby sell, assign, transfer and convey unto the said assignee, its successors and assigns, the entire right, title and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not be made.

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I hereby request that said Letters Patent be issued in accordance with this assignment.

I further covenant and agree that, at the time of the execution and delivery of these presents, I possess full title to the invention and application above-mentioned, and that I have the unencumbered right and authority to make this assignment.

I further covenant and agree to bind my heirs, legal representatives and assigns, promptly to communicate to said assignee or its representatives any facts known to me relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns and other legal representatives.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 24 day of May, 1991.

Albert W. Vinal (SEAL)
Albert W. Vinal

STATE OF NORTH CAROLINA)
COUNTY OF WAKE) ss:

Before me personally appeared Albert W. Vinal, to me known to be the person described in and who executed the foregoing instrument; and he acknowledged to me that he executed the same for the purpose therein stated, this 24 day of May, 1991.

Judy Vaughan
Notary Public

SEAL

My Commission Expires: 02-26-92

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