DEC 3 0 2002 &	
To the Hoperable Commission 1023	29128 ttached original documents or copy thereof.
Name of conveying party(ies)	2. Name and address of receiving party(ies)
Humberto Rodriguez Executed: October 18, 2000 Natan Vishlitzky Executed: October 18, 2000	Name: EMC Corporation
12-30-02	Internal Address:
Additional name(s) of conveying party(ies) attached? [] Yes [X] No	
3. Nature of conveyance:	Street Address: 176 South Street
[X] Assignment [] Merger	
[] Security Agreement [] Change of Name	City: Hopkinton State: MA ZIP: 01748
Execution Date: October 18, 2000	Additional name(s) & address(es) attached? [] Yes [X] No
4. Application number(s) or patent number(s):	
If this document is being filed together with a new application	n, the execution date of the application is:
A. Patent Application No.(s) 09/691,490	B. Patent No.(s)
Additional nu	mbers attached? [] Yes [x] No
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: [1]
Name: Barry W. Chapin, Esq.	7. Total Fee (37 C.F.R. 3.41)\$ 40.00
Internal Address:	[X] Enclosed herewith.
CHAPIN & HUANG, L.L.C.	[X] Authorized to charge any deficiencies or credit any overpayment to deposit account
offin in which it is a second of the investment	[] Authorized to be charged to deposit account
Street Address: Westborough Office Park	8. Deposit account number:
1700 West Park Drive	50-0901
City: Westborough State: MA ZIP: 01581	(Attach duplicate copy of this page if paying by deposit account
DO NO	DT USE THIS SPACE
 Statement and signature. To the best of my knowledge and belief, the foregoing inform document. 	nation is true and correct and any attached copy is a true copy of the origin
Barry W. Chapin, Esq., Reg. No. 39,934	w. Cirol December 23, 2002
Name of Person Signing	Signature Date
Total number of pages including	cover sheet, attachments, and document: [3]

PATENT REEL: 013623 FRAME: 0300

Docket No.: <u>EMC00-22(00076)</u>
Joint

ASSIGNMENT

WHEREAS, we, Humberto Rodriguez and Natan Vishlitzky have invented a certain improvement in APPARATUS AND METHODS FOR DETECTING ERRORS IN DATA described in an application for Letters Patent of the United States, the specification of which:

[x]	States Patent Office;
[]	was filed on;
[]	was patented under U.S. Patent Noon

is being avacuted an avan data harquith and is about to be filled in the United

WHEREAS, EMC Corporation (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Commonwealth of Massachusetts and having a usual place of business at 171 South Street, Hopkinton, Massachusetts 01748 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements. treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

PATENT REEL: 013623 FRAME: 0301 AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

	Inventor: Humberto Rodrigaez
State/Commonwealth of Mussulusulusulusulusulusulusulusulusulus	
Then personally appeared before me t	the above-named Humberto Rodriguez and ne foregoing instrument as his/her free act and deed this, 20 <u>//</u>
(SEAL)	Notary Public (print name) My Commission expires/_/ JULIA-ANNA M. WALECKI, Notary Public My Commission Expires July 12, 2002
	Inventor:
State/Commonwealth of Market County of Maddestx	h
Then personally appeared before me to that he/she executed the foregoing insolated day of, 2000.	the above-named Natan Vishlitzky and acknowledged strument as his/her free act and deed this
(SEAL)	My Commission expires Notary Public (print name) (print name)

PATENT
RECORDED: 12/30/2002 REEL: 013623 FRAME: 0302