

DOCKET NO.: E0295.70253US00

## RECOR

09-01-2005

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Name and address of receiving party(ies)

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**EMC Corporation** 

176 South Street

Hopkinton, MA 01748

FORM PTO-1595 U.S.

(Rev. 6-93) OMB No. 0651-0011 (exp. 4/94) DEPARTMENT OF COMMERCE **Patent and Trademark Office** 

103073016

To the Commissioner for Patents: Please record the attached original documents or copy thereof.

Name:

Internal Address:

Street Address:

Name of conveying party(ies):

Philppe Armangau, Stephen J. Todd, John Loonie

Additional name(s) of conveying party(ies) attached? [] Yes [X] No

Nature of conveyance:

[X] Assignment

[] Merger

[] Security Agreement

[] Change of Name

[] Other \_\_

Execution Date:

24, 2005

August 23, 2005; August

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is August 23,

2005, August 24, 2005

A. Patent Application No.(s)

B. Patent No.(s)

## Additional numbers attached? [] Yes [X] No

Name and address of party to whom correspondence Concerning document should be mailed:

Name:

Richard F. Giunta

Address: Wolf, Greenfield & Sacks, P.C.

600 Atlantic Avenue Boston, MA 02210-2206 6. Total number of applications and patents involved: [1]

7. Total fee (37 CFR 3.41)

\$ 40.00

[X] Enclosed

[] Authorized to be charged to deposit account

The Commissioner is authorized to charge any deficiencies in the enclosed payment to:

8. Deposit Account No: 23/2825

## DO NOT USE THIS SPACE

9. Statement and signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a

true copy of the original document.

Richard F. Giunta

Name of Person Signing

Signature

Mua. 26, 2005 Date

Total number of pages including cover sheet, attachments, and document: [5]

Mail documents to be recorded with required cover sheet information to (modify as appropriate):

**Commissioner of Patents** 

PO Box 1450, Alexandria, VA 22313-1450

08/31/2005 MBIZUNES 00000052 11213233 40.00 ÜP 05 FC:8021

> PATENT REEL: 016929 FRAME: 0232

PATENT/Joint Assignment Attorney Docket No.: E0295.70253US00

## **ASSIGNMENT**

WHEREAS, we, Philippe Armangau, Stephen J. Todd and John Loonie have invented an invention comprising and/or embodying certain improvements or discoveries or both as described in an application for Letters Patent of the United States entitled METHODS AND APPARATUS FOR DELETING CONTENT FROM A STORAGE SYSTEM, the specification of which:

[X] is being executed on even date herewith and is about to be filed in the United States Patent Office;

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 176 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 to ASSIGNEE 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;

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PATENT REEL: 016929 FRAME: 0233 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 as set forth below:

Date: 8/23/05	_ De py
	Inventor's Signature
Print full name of third inventor:	Philippe Armangau
Residence:	51 Seminole Road, Acton, MA 01720
Citizenship:	France
Mailing Address:	51 Seminole Road, Acton, MA 01720
STATE/COMMONWEALTH OF COUNTY OF	Massachusetts Worcester
On this 23 <sup>rd</sup> day of August above-named Phrmangs known employee identification card; [ 4	, 2005, then personally appeared before me the to me through satisfactory evidence of identification [] driver's license; [] (other) to be the person whose name is subscribed to the
foregoing Assignment and acknow deed for the purposes therein conta	rledged that he/she executed the same as his/her free act and
	ManyRLucy
	Notary Public
	Notary Public  Print Name: Nancy R. Lucicy

Nancy R. Lovejoy Notary Public Commonwealth of Massachusetts My Commission Expires July 14, 2011

My Commission expires \_\_\_/\_\_\_/

PATENT/Joint Assignment Attorney Docket No.: E0295.70253US00

Date: 8 23 05	2001 tan 1 100)
	Inventor's Signature
Print full name of first inventor:	Stephen J. Todd
Residence:	36 Thomas Farm Circle, Shrewsbury, MA 01545
Citizenship:	USA
Mailing Address:	36 Thomas Farm Circle, Shrewsbury, MA 01545
STATE/COMMONWEALTH OF COUNTY OF	Massachusetts Worceston
employee identification card; [9] dr	to be the person whose name is subscribed to the dged that he/she executed the same as his/her free act and
	Many KLmy  Notary Public
	Print Name: Nancy R- Lovejsy
	My Commission expires//
	Nancy R. Lovejcy Notary Public Commonwealth of Massachusetts My Commission Expires July 14, 2011

PATENT/Joint Assignment Attorney Docket No.: E0295.70253US00

Date: $g/24/05$	In A. Jone
	Inventor's Signature
Print full name of third inventor:	John Loonie
Residence:	13 Tamarack Lane, Boxboro, MA 01719
Citizenship:	U.S.A.
Mailing Address:	13 Tamarack Lane, Boxboro, MA 01719
STATE/COMMONWEALTH OF	assachusetts reaster
above-named 5.1.00000 known to me the employee identification card; [1] driver's leading to be	e the person whose name is subscribed to the
deed for the purposes therein contained.	nat he/she executed the same as his/her free act and
	Mang M. Rowy Notary Public
	Print Name: Wancy R. Lovo'ny
	My Commission expires//
	Nancy R. Lovejoy Notary Public Commonwealth of Massachusetts My Commission Expires July 14, 2011

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PATENT REEL: 016929 FRAME: 0236

**RECORDED: 08/26/2005**