

**PATENT ASSIGNMENT**

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Richard Urmston	12/10/2004
William McConnell	12/10/2004
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	EMC Corporation
<b>Street Address:</b>	176 South Street
<b>City:</b>	Hopkinton
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	01748
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12217061
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(408)973-2595
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	408-973-2585
<b>Email:</b>	mhuang@ip-patent.com
<b>Correspondent Name:</b>	Van Pelt, Yi & James LLP
<b>Address Line 1:</b>	10050 N. Foothill Blvd.
<b>Address Line 2:</b>	Suite 200
<b>Address Line 4:</b>	Cupertino, CALIFORNIA 95014
<b>ATTORNEY DOCKET NUMBER:</b>	LEGAP034C1
<b>NAME OF SUBMITTER:</b>	Laura Ing

**CH \$40.00 12217061**

Total Attachments: 3  
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**501303809**

**PATENT  
 REEL: 025055 FRAME: 0020**



## ASSIGNMENT OF PATENT APPLICATION

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

### **CONTENT ADDRESSED STORAGE DEVICE CONFIGURED TO MAINTAIN CONTENT ADDRESS MAPPING**

for which I (we) have executed an application for a United States Letters Patent which was filed in the U.S. Patent and Trademark Office on November 8, 2004, and which bears the Application No. 10/984,686, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known;

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We the undersigned inventor(s) hereby:

- 1) Sell(s), assign(s) and transfer(s) to 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, the entire right title and interest in any and all improvements and inventions disclosed in, application(s) (including foreign applications) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application and/or in any provisional application to which the above referenced application claims priority.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date(s) indicated beside my (our) signature(s).

Date: 12/10/04

Richard Urmston  
Inventor's Signature

Print full name of first inventor: **Richard Urmston**  
Residence: Westboro  
Citizenship: United States  
Mailing Address: 2350 West El Camino Real  
**Mountain View, CA 94040**

STATE/Commonwealth of Massachusetts  
COUNTY OF Norfolk

Then personally appeared before me the above-named Inventor's Signature and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 10th day of December, 2004.

Linda M. DeLuca  
Notary Public  
Print Name: Linda M. DeLuca  
My Commission expires 2/18/2011

LINDA M. DeLUCA  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
FEBRUARY 18, 2011

Date: 12/10/04

*William McConnell*  
Inventor's Signature

Print full name of first inventor:

**William McConnell**

Residence:

Boston

Citizenship:

United States

Mailing Address:

2350 West El Camino Real

**Mountain View, CA 94040**

STATE/Commonwealth of Massachusetts  
COUNTY OF Norfolk

Then personally appeared before me the above-named Inventor's Signature and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 10th day of December, 2004.

*Linda M. DeLuca*  
Notary Public

Print Name: Linda M. DeLuca

My Commission expires 2/18/2011



LINDA M. DeLUCA  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
FEBRUARY 18, 2011