

03-14-2006



103195885

R SHEET

Docket No.: EMC-105US

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

3-10-06

1. Name of conveying party(ies)/Execution Date(s):

- (a) Yechiel YOCHAI
- (b) David SHADMON
- (c) Josef EZRA
- (d) Orit LEVIN-MICHAEL
- (e) Amnon NAAMAD
- (f) Lee W. SAPIRO

Execution Date(s): 10/14/2005

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

2. Name and address of receiving party(ies):

Name: **EMC Corporation**

Internal Address:

Street Address: **176 South Street  
Hopkinton, Massachusetts 01748**

Country: **United States of America**

Additional name(s) & address(es) attached?  Yes  No

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other: \_\_\_\_\_

4. Application or patent number(s):

This document is being filed together with a new application

A. Patent Application No.(s)

11/254,089

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address to whom correspondence concerning document should be mailed:

Name: **Muirhead and Saturnelli, LLC**

Internal Address:

Street Address: **200 Friberg Parkway  
Suite 1001**

City: **Westborough**

State: **Massachusetts** Zip: **01581**

Fax Number: **508-898-8602**

6. Total number of applications and patents involved: \_\_\_\_\_

7. Total fee (37 CFR 1.21(h) & 3.41).....\$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers 1019

Expiration Date 09-07

b. Deposit Account Number \_\_\_\_\_

Authorized User Name \_\_\_\_\_

9. Signature:

Anne E. Saturnelli, Reg. No. 41,290

Name of Person Signing

Signature

March 8, 2006

Date

Total number of pages including cover sheet, attachments, and documents: 8

03/13/2006 DBYRNE 00000009 11254089

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## ASSIGNMENT

**WHEREAS**, we, Yechiel Yochai, David Shadmon, Josef Ezra, Amnon Naamad, Lee W. Sapiro, and Orit Levin-Michael 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 *DYNAMIC CACHE PARTITIONING*, the specification of which:

- is being executed on even date herewith and is about to be filed in the United States Patent Office;
- was filed on \_\_\_\_\_ as U.S. Application No. \_\_\_\_\_;
- was patented under U.S. Patent No. \_\_\_\_\_ on \_\_\_\_\_.

**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;

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: \_\_\_\_\_

10/19/2005  
\_\_\_\_\_  
Inventor's Signature

Print full name of first inventor:

**Yechiel Yochai**

Residence:

4 Lladnar Drive  
Lincoln, RI 02865

Citizenship:

Israel

Mailing Address:

Same

STATE/Commonwealth of  
COUNTY OF

Massachusetts  
Middlesex

On this 14<sup>th</sup> day of October, 2005, then personally appeared before me the above-named Yechiel Yochai known to me through satisfactory evidence of identification [] employee identification card; [] driver's license; [] (other) personally known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Nanci A. Shaffer  
\_\_\_\_\_  
Notary Public

Print Name: \_\_\_\_\_

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



NANCI A. SHAFFER  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
May 19, 2006

Date: 10/14/05

David Shadmon  
Inventor's Signature

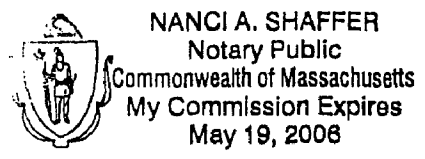
Print full name of second inventor: **David Shadmon**  
Residence: 57 Cynthia Road  
Newton, MA 02459  
Citizenship: USA  
Mailing Address: Same

STATE/Commonwealth of Massachusetts  
COUNTY OF Middlesex

On this 14th day of October, 2005, then personally appeared before me the above-named David Shadmon known to me through satisfactory evidence of identification [] employee identification card; [] driver's license; [] (other) personally known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Nanci A. Shaffer

Notary Public  
Print Name: \_\_\_\_\_  
My Commission expires \_\_\_/\_\_\_/\_\_\_



Date: 10/14/05

[Signature]  
Inventor's Signature

Print full name of third inventor: **Josef Ezra**  
Residence: 145 Captain Eames Circle  
Ashland, MA 01721  
Citizenship: Israel  
Mailing Address: Same


STATE/Commonwealth of Massachusetts  
COUNTY OF Middlesex

On this 14th day of October, 2005, then personally appeared before me the above-named Josef Ezra known to me through satisfactory evidence of identification [] employee identification card; [] driver's license; [] (other) personally known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

[Signature]  
Notary Public

Print Name: \_\_\_\_\_

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

 Nanci A. Shaffer  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
May 19, 2006

Date: 10/14/05

[Signature]  
Inventor's Signature

Print full name of sixth inventor: **Orit Levin-Michael**  
Residence: 37 Salisbury Road  
Newton, MA 02458  
Citizenship: Israel  
Mailing Address: Same


STATE/Commonwealth of Massachusetts  
COUNTY OF Middlesex

On this 14<sup>th</sup> day of October, 2005, then personally appeared before me the above-named Orit Levin-Michael known to me through satisfactory evidence of identification [] employee identification card; [] driver's license; [] (other) personally known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

[Signature]  
Notary Public

Print Name: \_\_\_\_\_

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

 Nanci A. Shaffer  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
May 19, 2006

Date: 10/14/2005

Amnon Naamad  
Inventor's Signature

Print full name of fourth inventor:

**Amnon Naamad**

Residence:

84 Beals Street, Unit 2

Brookline, MA 02446

Citizenship:

~~Israel~~ USA, AN

Mailing Address:

Same

STATE/Commonwealth OF

Massachusetts

COUNTY OF

Middlesex

On this 14th day of October, 2005, then personally appeared before me the above-named Amnon Naamad known to me through satisfactory evidence of identification [] employee identification card; [] driver's license; [] (other) personally known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Nanci A. Shaffer

Notary Public

Print Name: \_\_\_\_\_

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



NANCI A. SHAFFER  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
May 19, 2006

Date: 10/14/05

Lee W. Sapiro  
Inventor's Signature

Print full name of fifth inventor: **Lee W. Sapiro**  
Residence: 81 White Pond Road  
Hudson, MA 01749  
Citizenship: USA  
Mailing Address: Same

STATE/Commonwealth of Massachusetts  
COUNTY OF Middlesex

On this 14<sup>th</sup> day of October, 2005, then personally appeared before me the above-named Lee W. Sapiro known to me through satisfactory evidence of identification [] employee identification card; [] driver's license; [] (other) personally known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Nanci A. Shaffer  
Notary Public

Print Name: \_\_\_\_\_

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



NANCI A. SHAFFER  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
May 19, 2006