

08-20-2007

U.S. PTO  
11/891237  
08/09/2007

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office



103437984

**FORM COVER SHEET  
TS ONLY**

To the Director of the United States Patent and Trademark Office

Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

Peter Armorer  
Anselmo J. Barrero  
Jason Filuk  
Dung (Jane) Thi Tang

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

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) 8/7/2007; 8/2/2007; 8/6/2007; 8/7/2007

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

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

Name: EMC CORPORATION

Internal Address: \_\_\_\_\_

Street Address: 176 South Street

City: Hopkinton

State: Massachusetts

Country: US Zip: 01748

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

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

☒ This document is being filed together with a new application.

A. Patent Application No.(s)

Attorney Docket No. E003-1210US0

B. Patent No.(s)

11/891237

08/13/2007 EAYALEW1 00000016 11891237

05 F0:8021

( 40.00 OP )

Additional numbers attached? ☐ Yes ☒ No

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

Name: Law Offices of Barry N. Young

Internal Address: Barry N. Young

Street Address: 260 Sheridan Avenue

Suite 410

City: Palo Alto

State: CA Zip: 94306-2047

Phone Number: (650) 326-2701

Fax Number: (650) 326-2799

Email Address: byoung@young-law.com

**6. Total number of applications and patents involved: one (1)**

**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 \_\_\_\_\_  
Expiration Date \_\_\_\_\_

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

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

**9. Signature:**

Signature

Barry N. Young, Reg. No. 27,744

Name of Person Signing

Aug 7, 2007  
Date

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

6

**ASSIGNMENT**

WHEREAS, we, **Peter Armorer, Anselmo J. Barrero, Jason Filuk and Dung (Jane) Thi Tang** 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 ***BACKUP AND RECOVERY OF DISTRIBUTED STORAGE AREAS***, 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

PATENT/Joint Assignment  
Attorney Docket No.: E003-1210US0  
EMC Docket No.: EMC-07-133

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:

2007/08/07

Peter A. Armorer  
Inventor's Signature - Peter Armorer

Print full name of first inventor:

Peter Armorer

Residence:

Mississauga, Ontario, Canada

Citizenship:

Canada and Trinidad & Tobago

Mailing Address:

5497 Farmcote Drive  
Mississauga, ON L5M6L5 Canada

Province  
~~STATE~~ COMMONWEALTH OF ONTARIO  
COUNTY OF HALTON

Then personally appeared before me the above-named Peter Armorer and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 7 day of August, 2007.

Vince Rinaldi  
Notary Public

Print Name:

Vince Rinaldi

My Commission expires

1 / 1 /

N/A

VINCE AUGUSTO RINALDI  
Barrister and Solicitor, A  
Commissioner of oaths, for  
the Province of Ontario

Date:

8/2/07

  
\_\_\_\_\_  
Inventor's Signature Anselmo J. Barrero

Print full name of second inventor:

Anselmo J. Barrero

Residence:

6221 Glider Drive  
San Jose, CA 95123  
Venezuela

Citizenship:

Mailing Address:

6221 Glider Drive  
San Jose CA 95123

STATE/Commonwealth of CALIFORNIA  
COUNTY OF SANTA CLARA

Then personally appeared before me the above-named Anselmo J. Barrero and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 2nd day of August, 2007.

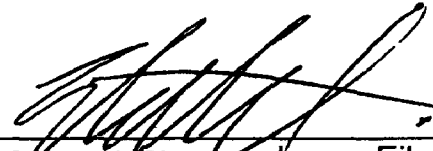


  
\_\_\_\_\_  
Notary Public

Print Name: Sonia S. Nallan

My Commission expires 05/21/2009

Date: 08-06-2007

  
Inventor's Signature Jason Filuk

Print full name of third inventor:

Jason Filuk  
2645 Polk Street #412  
San Francisco, CA 94109

Residence:

Citizenship:

US

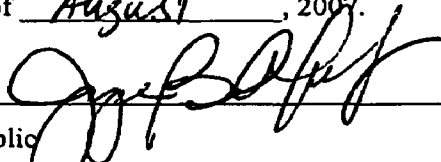
Mailing Address:

2645 Polk Street #142  
San Francisco, CA 94109

STATE/Commonwealth of California  
COUNTY OF Santa Clara

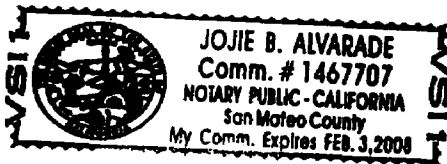
Then personally appeared before me the above-named Jason Filuk and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 6<sup>th</sup> day of August, 2007.

*witness my hand and official seal.*

  
Notary Public

Print Name: JOJIE B. ALVARADE


My Commission expires 2/3/2008



PATENT/Joint Assignment  
Attorney Docket No.: E003-1210US0  
EMC Docket No.: EMC-07-133

Date:

2007/08/07

  
\_\_\_\_\_  
Inventor's Signature Dung (Jane) Thi Tang

Print full name of fourth inventor:

Dung (Jane) Thi Tang

Residence:

3558 Eglinton Avenue West  
Toronto, Ontario, Canada

Citizenship:

Canada

Mailing Address:

3558 Eglinton Avenue West  
Toronto, Ontario  
M6M 1V8 Canada

Province  
STATE/COMMONWEALTH OF ONTARIO  
COUNTY OF HALTON

Then personally appeared before me the above-named Dung (Jane) Thi Tang and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 7 day of August, 2007.

  
\_\_\_\_\_  
Notary Public

Print Name:

VINCE RINALDI

My Commission expires

   /    /    n/a

VINCE AUGUSTO RINALDI  
Barrister and Solicitor, A  
Commissioner of oaths, for  
the Province of Ontario