

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3222414

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JOHN M. BENT	01/05/2015
SORIN FAIBISH	01/05/2015
JAMES M. PEDONE JR.	01/05/2015
RECEIVING PARTY DATA	
Name:	EMC Corporation
Street Address:	176 South Street
City:	Hopkinton
State/Country:	MASSACHUSETTS
Postal Code:	01748
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14580529
CORRESPONDENCE DATA	
Fax Number:	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	203-255-6560
Email:	bab@rml-law.com
Correspondent Name:	KEVIN M. MASON
Address Line 1:	1175 POST ROAD EAST, 2ND FLOOR
Address Line 2:	RYAN, MASON & LEWIS, LLP
Address Line 4:	WESTPORT, CONNECTICUT 06880
ATTORNEY DOCKET NUMBER:	EMC-14-0694
NAME OF SUBMITTER:	KEVIN M. MASON
SIGNATURE:	/Kevin M. Mason/
DATE SIGNED:	02/11/2015
Total Attachments: 6	
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RECORDATION FORM COVER SHEET
PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
John M. Bent, Sorin Faibish and James M. Pedone, Jr.
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
City: Hopkinton State: MA ZIP: 01748
Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: 1/5/2015

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:

A. Patent Application No.(s) 14/580,529 Filed December 23, 2014 B. Patent No.(s)

Additional numbers attached? Yes No


5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Kevin M. Mason
Internal Address: Ryan, Mason & Lewis, LLP
Street Address: 1175 Post Road East, 2nd Floor
City: Westport State: CT ZIP: 06880

6. Total number of applications and patents involved: 1
7. Total Fee (37 CFR 3.41)..... \$ 0.00
 Enclosed
 Authorized to be charged to deposit account
8. Deposit account number 50-0762

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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.

Kevin M. Mason
Reg. No. 36,597


Signature

February 11, 2015
Date

Total number of pages including cover sheet, attachments, and document: 6

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Commissioner of Patents and Trademarks
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Washington, DC 20231

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EMC-14-0694

ASSIGNMENT

WHEREAS, we, John M. Bent, Sorin Faibish and James M. Pedone, Jr., 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 **MULTI-TIER DATA STORAGE USING INCLUSIVE/EXCLUSIVE BURST BUFFER CACHING BASED ON REFERENCE COUNTS**, 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 December 23, 2014 as U.S. Application No. 14/580,529;
- 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:

Jan 5, 2015

[Signature]
Inventor's Signature

Print full name of first inventor:

John M. Bent

Residence:

Los Alamos, New Mexico

Citizenship:

United States of America

Mailing Address:

1902 Camino Durasnilla

Los Alamos, New Mexico 87544

STATE/Commonwealth of
COUNTY OF

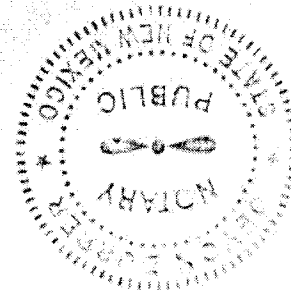
New Mexico
Los Alamos

On this 5 day of Jan, 2015, then personally appeared before me the above-named John M. Bent known to me through satisfactory evidence of identification employee identification card; driver's license; (other) _____ 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: Debra Deemer

My Commission expires 4/12/18



Date: 01/05/2015

Faibish
Inventor's Signature

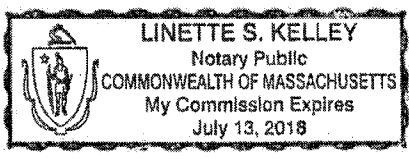
Print full name of second inventor: Sorin Faibish
Residence: Newton, Massachusetts
Citizenship: United States of America
Mailing Address: 11 Selwyn Road
Newton, Massachusetts 02461

STATE/Commonwealth of Massachusetts
COUNTY OF Middlesex

On this 5th day of January, 2015, then personally appeared before me the above-named Sorin Faibish known to me through satisfactory evidence of identification employee identification card; driver's license; (other) _____ 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.

Linette S. Kelley
Notary Public

Print Name: Linette S. Kelley
My Commission expires 07/13/2018



Date:

1/5/15

James M. Pedone, Jr.
Inventor's Signature

Print full name of third inventor:

James M. Pedone, Jr.

Residence:

West Boylston, Massachusetts

Citizenship:

United States of America

Mailing Address:

1 Pheasant Hill Run
West Boylston, Massachusetts 01583

STATE/Commonwealth of
COUNTY OF

Massachusetts
Middlesex

On this 5th day of January, 2015, then personally appeared before me the above-named James M. Pedone, Jr., known to me through satisfactory evidence of identification employee identification card; driver's license; (other) _____ 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.

Linette S. Kelley
Notary Public

Print Name: Linette S. Kelley

My Commission expires 07/13/2018

