

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2842376

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SORIN FAIBISH	09/09/2013
JOHN M. BENT	05/02/2014
UDAY GUPTA	09/10/2013
JAMES M. PEDONE JR.	09/09/2013
<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>	13924022
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(631)393-6271
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<b>Email:</b>	nyoffice@rml-law.com
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<b>Address Line 4:</b>	MELVILLE, NEW YORK 11747
<b>ATTORNEY DOCKET NUMBER:</b>	EMC-13-0191
<b>NAME OF SUBMITTER:</b>	JOSEPH B. RYAN
<b>SIGNATURE:</b>	/joseph b. ryan/
<b>DATE SIGNED:</b>	05/05/2014
<b>Total Attachments: 5</b>	
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ASSIGNMENT

**WHEREAS**, we, Sorin Faibish, John M. Bent, Uday Gupta 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 **CLUSTER FILE SYSTEM COMPRISING STORAGE SERVER UNITS EACH HAVING A SCALE-OUT NETWORK ATTACHED STORAGE CLUSTER**, 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 June 21, 2013 as U.S. Application No. 13/924,022;

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: 09/09/2013

Faibish  
Inventor's Signature

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

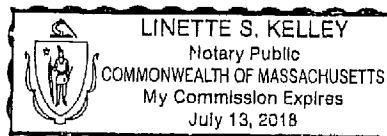
STATE/COMMONWEALTH OF Massachusetts  
COUNTY OF Middlesex

On this 9<sup>th</sup> day of September, 2013, 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: May 2, 2014

[Signature]  
Inventor's Signature

Print full name of second 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 New Mexico  
COUNTY OF Los Alamos

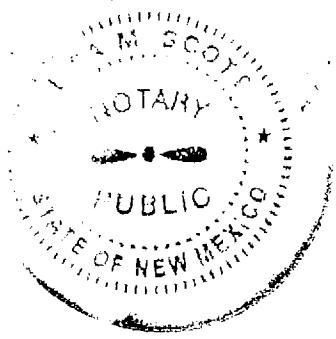
On this 2 day of May, 2014, then personally appeared before me the above-named John M. Bent known to me through satisfactory evidence of identification [ ] employee identification card; [X] driver's license; [ ] (other) \_\_\_\_\_ to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

[Signature]

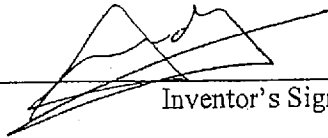
Notary Public

Print Name: Jana K. Scott

My Commission expires 8 18 2014




Date: 9/10/13

  
\_\_\_\_\_  
Inventor's Signature

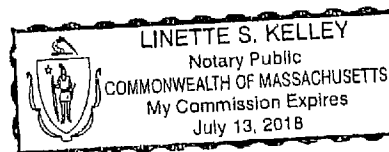
Print full name of third inventor: Uday Gupta  
Residence: Westford, Massachusetts  
Citizenship: India  
Mailing Address: 5 Indigo Lane  
Westford, Massachusetts 01886

STATE/Commonwealth of Massachusetts  
COUNTY OF Middlesex

On this 10<sup>th</sup> day of September, 2013, then personally appeared before me the above-named Uday Gupta 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.

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

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



Date:

9/9/13

*James M. Pedone, Jr.*  
Inventor's Signature

Print full name of fourth 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

Massachusetts

COUNTY OF

Middlesex

On this 9<sup>th</sup> day of September, 2013, 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

