

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3810839

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SAURAV HALOI	03/30/2016
GANESH GHODAKE	03/30/2016
GIRISH DOSHI	03/30/2016
NATHAN E. ROSENBLUM	03/31/2016
BIJU SHANMUGHAM PILLAI	03/30/2016
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:	15087792
CORRESPONDENCE DATA	
Fax Number:	(503)439-6073
<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>	
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Correspondent Name:	DONNA JO CONINGSBY
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Address Line 4:	SUNNYVALE, CALIFORNIA 94085
ATTORNEY DOCKET NUMBER:	6368P185
NAME OF SUBMITTER:	DONNA JO CONINGSBY
SIGNATURE:	/Donna Jo Coningsby/
DATE SIGNED:	03/31/2016
Total Attachments: 7	
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ASSIGNMENT

WHEREAS, we, Saurav Haloi, Ganesh Ghodake, Girish Doshi, Biju Shanmugham Pillai, and Nathan E. Rosenblum, 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 Multilayer Manifest For Data Storage Systems (Application), 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;

AND, we hereby authorize our attorneys, EMC Corporation, to insert here in parentheses (15/087, 792 Filed March 31, 2016) the application number and filing date of said Application (or foreign counterpart application) to facilitate the recording or other official processing of this Assignment.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals as set forth below:

Date: 30-MARCH-2016

Saurav Haloi

Inventor's Signature

Print full name of inventor:

Saurav Haloi

Residence:

B-11, Flat #701

Aditya Shagun, NDA Pashan Road,

Bavdhan, Pune - 411021

Maharashtra, India

Citizenship:

India

Mailing Address:

Same as above

I RITANSH RAJ (name) whose residential address is

B-1002, PARADISO, WAKAD, PUNE: 411057

was personally present and did see SAURAV HALOI (name of person signing the assignment) who is personally known to me, execute the above assignment.

R. Raj

(signature of first witness)

Signed at Pune (INDIA) (location of witness signature)

on this day 30.03 of 2016 (date of signature)

I PRAMOD BIRADAR (name) whose residential address is

FLAT 14 SHRADDHA GARDEN-19 GAWADE PARK CHINCHWAD

was personally present and did see SAURAV HALOI (name of person signing the assignment) who is personally known to me, execute the above assignment.

Pramod

(signature of second witness)

Signed at PUNE (INDIA) (location of witness signature)

on this day 30-MARCH of 2016 (date of signature)

Date: 30-MAR-2016



Inventor's Signature

Print full name of inventor:

Ganesh Ghodake

Residence:

B-303, Riddhi-Siddhi Apt
Near P.L. Deshpande Garden
Sinhgad Road, Pune-30,
Maharashtra, India 411030

Citizenship:

India

Mailing Address:

Same as above

I PRAMOD BIRADAR (name) whose residential address is
FLAT 14 SHRADDHA GARDEN 19 GAWADE PARK CHINCHWAD
was personally present and did see GANESH GHODAKE (name of person signing
the assignment) who is personally known to me, execute the above assignment.

 (signature of first witness)

Signed at PUNE (INDIA) (location of witness signature)

on this day 30-MARCH- of 2016 (date of signature)

I RITANSH RAJ (name) whose residential address is
B-1002, PARADISO, WAKAD, PUNE: 411057
was personally present and did see GANESH GHODAKE (name of person signing
the assignment) who is personally known to me, execute the above assignment.

R. Raj (signature of second witness)

Signed at PUNE (INDIA) (location of witness signature)

on this day 30, 03 of 2016 (date of signature)

Date: 30 - MARCH - 2016.

Girish Doshi

Inventor's Signature

Print full name of inventor:

Girish Doshi

Residence:

A-10, Flat-102
Karishma Society,
Sangam Press Road, Kothrud,
Pune - 411029
India

Citizenship:

India

Mailing Address:

Same as above

I PRAMOD BIRADAR (name) whose residential address is
FLAT 14 SHRADDHA GARDEN 19 GAWADE PARK CHINCHWAD
was personally present and did see GIRISH DOSHI (name of person signing
the assignment) who is personally known to me, execute the above assignment.

Pramod

(signature of first witness)

Signed at PUNE (INDIA) (location of witness signature)

on this day 30 - MARCH - 2016 of 2016. (date of signature)

I RITANSH RAJ (name) whose residential address is
B-1002, PARADISO, WAKAD, PUNE - 411057
was personally present and did see GIRISH DOSHI (name of person signing
the assignment) who is personally known to me, execute the above assignment.

R. Raj

(signature of second witness)

Signed at PUNE (INDIA) (location of witness signature)

on this day 30. 03. of 2016. (date of signature)

Date: 03-30-2016

Biju

Inventor's Signature

Print full name of inventor:

Biju Shanmugham Pillai

Residence:

1494 Falcon Court
Sunnyvale, CA 94087

Citizenship:

India

Mailing Address:

Same as above

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

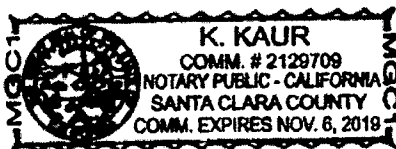
STATE OF
COUNTY OF

California
Santa Clara

On this 30th day of March, 2016 before me appeared Biju Shanmugham Pillai — who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



K. Kaur

Notary Public

Print Name: K. KAUR

My Commission expires 11/06/2019

Date: 3/31/2016



Inventor's Signature

Print full name of inventor:

Nathan E. Rosenblum

Residence:

2423 16th Street

San Francisco, CA 94103

Citizenship:

United States

Mailing Address:

Same as above

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

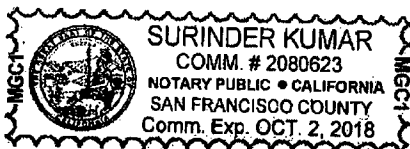
STATE OF
COUNTY OF

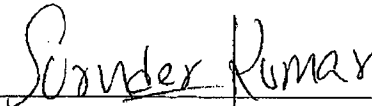
CALIFORNIA
SAN FRANCISCO

On this 31st day of APR., 2016, before me appeared NATHAN ELZA ROSENBLUM who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/~~she~~/they executed the same in his/~~her~~/their authorized capacity(ies), and that by his/~~her~~/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.





Notary Public

Print Name: SURINDER KUMAR

My Commission expires 10/2/18