

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CHARLES HICKEY	09/25/2014
MARK CHAMNESS	09/29/2014
ORIT LEVIN-MICHAEL	09/25/2014
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:	14500485
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ATTORNEY DOCKET NUMBER:	6368P128
NAME OF SUBMITTER:	TAM Q. TRAN
SIGNATURE:	/ Tam Q. Tran /
DATE SIGNED:	01/21/2015
Total Attachments: 5	
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ASSIGNMENT

WHEREAS, we, Charles Hickey, Mark Chamness, 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 *AUTOMATED IDENTIFICATION OF THE SOURCE OF RAID PERFORMANCE DEGRADATION*, 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: 9/25/2014


Charles Hickey

Print full name of first inventor:

Charles Hickey

Residence:

Aptos, California, United States of America

Citizenship:

United States of America

Mailing Address:

214 Via Novella
Aptos, California 95003
United States of America

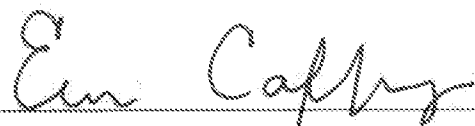
STATE OF
COUNTY OF

California
Santa Clara

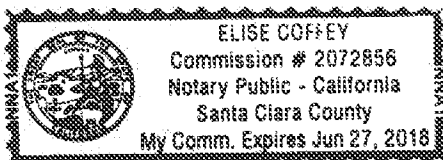
On this 25 day of September, 2014 before me appeared Charles Hickey
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are
subscribed to the within instrument and acknowledged to me that he/she/they executed the same
in his/her/their authorized capacity(ies), 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: Elise Coffey
My Commission expires 6/27/2018



Date: 9/29/2014

Mark Chamness
Mark Chamness

Print full name of second inventor:

Mark Chamness

Residence:

Menlo Park, California, United States of America

Citizenship:

United States of America

Mailing Address:

2071 Cedar Avenue

Menlo Park, California 94025

United States of America

STATE OF
COUNTY OF

CA
Santa Clara

On this 29 day of September, 2014, before me appeared Mark Chamness 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.

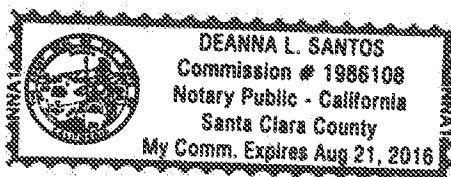
WITNESS my hand and official seal.

Deanna L. Santos

Notary Public

Print Name: Deanna L. Santos

My Commission expires 8/21/2016



PATENT/Joint Assignment
Attorney Docket No.: 6368P128
EMC Docket No.: EMC-14-0199

Date: 9/25/2014

[Signature]
Orit Levin-Michael

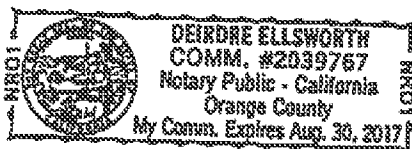
Print full name of third inventor: Orit Levin-Michael
Residence: Irvine, California, United States of America
Citizenship: United States of America
Mailing Address: 6 Live Oak
Irvine, California 92604
United States of America

STATE OF California
COUNTY OF Orange

On this 25 day of Sept., 2014, before me appeared Orit Levin-Michael 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.



[Signature]
Notary Public
Print Name: DEIRDRE ELLSWORTH
My Commission expires 8/30/2017