

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3567919

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
THOMAS L. DINGS	05/22/2006
JACOB M. JACOB	05/22/2006
SUBRAMANIAN PERIYAGARAM	05/19/2006
PASHUPATI KUMAR	05/19/2006
ROBERT W. TOOP	05/22/2006
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:	14789757
CORRESPONDENCE DATA	
Fax Number:	(408)973-2595
<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:	4089732585
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Correspondent Name:	VAN PELT, YI & JAMES LLP AND EMC CORPORA
Address Line 1:	10050 N. FOOTHILL BLVD.
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Address Line 4:	CUPERTINO, CALIFORNIA 95014
ATTORNEY DOCKET NUMBER:	EMCCP086C2
NAME OF SUBMITTER:	JONG ANDREW PARK
SIGNATURE:	/Jong Andrew Park/
DATE SIGNED:	10/13/2015
Total Attachments: 8	

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ASSIGNMENT OF PATENT APPLICATION

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

DATA MOVER DISCOVERY OF OBJECT EXTENT

(Attorney Docket No. EMCCP086) for which I (we) have executed an application for a United States Letters Patent:

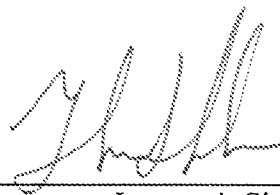
For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We the undersigned inventor(s) hereby:

- 1) Sell(s), assign(s) and transfer(s) to 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, the entire right title and interest in any and all improvements and inventions disclosed in, application(s) (including foreign applications) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application and/or in any provisional application to which the above referenced application claims priority.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date(s) indicated beside my (our) signature(s).

Date:

5/22/2006



Inventor's Signature

Print full name of first inventor:

Thomas L. Dings

Residence:

Hopkinton, MA

Citizenship:

United States of America

Mailing Address:

6801 Koll Center
Pleasanton, CA 94566

STATE/Commonwealth of

COUNTY OF

Massachusetts
Norfolk

Then personally appeared before me the above-named Inventor's Signature and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 22nd day of May, 2006.



Notary Public

Print Name:

Linda M. DeLuca

My Commission expires 2/18/2011



LINDA M. DeLUCA
Notary Public
Commonwealth of Massachusetts
My Commission Expires
FEBRUARY 18, 2011

Date: 05/22/2006

[Signature]
Inventor's Signature

Print full name of first inventor:

Jacob M. Jacob

Residence:

Franklin, MA

Citizenship:

India

Mailing Address:

6801 Koll Center
Pleasanton, CA 94566

STATE/Commonwealth OF
COUNTY OF

Massachusetts
Norfolk

Then personally appeared before me the above-named Inventor's Signature and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 22nd day of May, 2006.

[Signature]
Notary Public

Print Name: Linda M. DeLuca

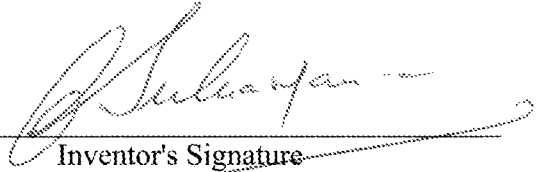
My Commission expires 2/18/2011



LINDA M. DeLUCA
Notary Public
Commonwealth of Massachusetts
My Commission Expires
FEBRUARY 18, 2011

Date:

5/19/06


Inventor's Signature

Print full name of first inventor:

Subramanian Periyagaram

Residence:

Sunnyvale, CA

Citizenship:

India

Mailing Address:

6801 Koll Center
Pleasanton, CA 94566

STATE/Commonwealth of

California

COUNTY OF

San Jose

Then personally appeared before me the above-named Inventor's Signature and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 19th day of May, 2006.

Rajesh Rao Badanidiyoor

Notary Public

Print Name: RAJESH RAO BADANIDIYOOOR

My Commission expires 01/10/2008

Please see attached

CA - All purpose Acknowledgment

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of

Santa Clara

ss.

On 5/19/2006

Date

before me,

RAJESH RAO BADANIDIYOR

Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared

SUBRAMANIAN PERIYAGARAM

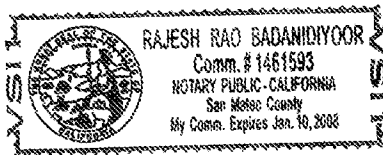
Name(s) of Signer(s)

☐ personally known to me

☒ 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.

WITNESS my hand and official seal.



Rajesh Rao Badanidiyor

Signature of Notary Public

5/19/2006

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: Declaration & POA for original OS Patent Appln - Acknowledgm

Document Date: 5/19/2006

Number of Pages: - 6 -

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer

Signer's Name: Subramanian Periyagaram

☒ Individual

☐ Corporate Officer — Title(s): _____

☐ Partner — ☐ Limited ☐ General

☐ Attorney-in-Fact

☐ Trustee

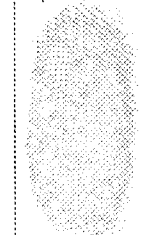
☐ Guardian or Conservator

☐ Other: _____

Signer Is Representing: _____

RIGHT THUMBPRINT
OF SIGNER

Top of thumb here



Date:

05/19/06

Pashupati Kumar

Inventor's Signature

Print full name of first inventor:

Pashupati Kumar

Residence:

San Jose, CA

Citizenship:

India

Mailing Address:

6801 Koll Center
Pleasanton, CA 94566

STATE/Commonwealth of

California

COUNTY OF

Santa Clara

Then personally appeared before me the above-named Inventor's Signature and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 19th day of

May, 2006.

Rajesh Rao Badanidiyoor

Notary Public

Print Name: RAJESH RAO BADANIDIYOOR

My Commission expires 01/10/2008

Please see attached CA-All
purpose Acknowledgment

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of

santa clara

ss.

On 5/19/2006

Date

before me,

RAJESH RAO BADANIDYOR

Name and Title of Officer (e.g., "Jane Doe, Notary Public")

Notary Public, CA

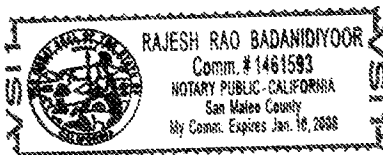
personally appeared

Pashupati Kumar

Name(s) of Signer(s)

- ☐ personally known to me
☒ 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.



WITNESS my hand and official seal.

Rajesh Rao Badanidyor

Signature of Notary Public

5/19/06

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Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer

Signer's Name: Pashupati Kumar

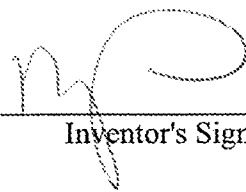
- ☒ Individual
☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Attorney-in-Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____

Signer is Representing: _____



Date:

22 May 2006


Inventor's Signature

Print full name of first inventor:

Robert W. Toop

Residence:

Stow, MA

Citizenship:

United States of America

Mailing Address:

6801 Koll Center
Pleasanton, CA 94566

STATE/Commonwealth of
COUNTY OF

Massachusetts
Norfolk

Then personally appeared before me the above-named Inventor's Signature and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 22nd day of May, 2006.


Notary Public

Print Name:

Linda M. DeLuca

My Commission expires

2/18/2011

LINDA M. DELUCA
Notary Public
Commonwealth of Massachusetts
My Commission Expires
FEBRUARY 18, 2011

