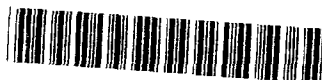


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OVER SHEET

ONLY

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

1. Name of conveying party(ies):

Steven D. Sardella
Robert Beauchamp
Douglas Sullivan

2. Name and address of receiving party(ies):

Name: EMC Corporation

Internal Address: Office of the General Counsel

Additional name(s) of conveying party(ies) attached? [] Yes [X] No

3. Nature of Conveyance:

☒ Assignment [] Merger☐ Security Agreement [] Change of Name☐ Other _____

Street Address: 176 South Street

City: Hopkinton State: MA Zip: 01748

Execution Date: 6/29/04, 6/30/04

Additional name(s) and address(es) attached? [] Yes [X] No

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: 6/30/04

A. Patent Application No.(s) _____

B. Patent No.(s) _____

Additional numbers attached? [] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Scott A. Ouellette

Internal Address: EMC Corporation

Office of the General Counsel

Street Address: 176 South Street

City: Hopkinton State: MA Zip: 01748

6. Total number of applications and patents involved: [1]

7. Total fee (37 CFR 3.41): \$40.00

☐ Enclosed☒ Authorized to be charged to deposit account

8. Deposit account number: 05-0889

(Attach duplicate of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Signature.

Scott A. Ouellette

Name of Person Signing

Signature

6/30/04

Date

Total number of pages comprising cover sheet: [6]

07/09/2004 LNUELLER 00000070 050009 10001558

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PATENT
REEL: 015540 FRAME: 0769

ASSIGNMENT

WHEREAS, we, Steven D. Sardella, Robert Beauchamp and Douglas Sullivan 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 *SYSTEM FOR CACHING DATA*, 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: June 29, 2004

Steven D. Sardella
Inventor's Signature

Print full name of first inventor:

Steven D. Sardella

Residence:

PMB #191, 771 Boston Post Road East, Marlborough,
MA 01752

Citizenship:

USA

Mailing Address:

PMB #191, 771 Boston Post Road East, Marlborough,
MA 01752

STATE/Commonwealth of
COUNTY OF

Massachusetts
Worcester

On this 29th day of June, 2004, then personally appeared before me the above-named Steven D. Sardella known to me through satisfactory evidence of identification [] employee identification card; [] driver's license; [] (other)

Steven D. Sardella 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.

Nancy J. Forrester
Notary Public

Print Name: Nancy J. Forrester

My Commission expires 07 / 07 / 2008

Date: 6/30/04

Robert W. Beauchamp
Inventor's Signature

Print full name of second inventor:

Robert Beauchamp

Residence:

14 Ivy Lane, Milford, MA 01757

Citizenship:

USA

Mailing Address:

14 Ivy Lane, Milford, MA 01757

STATE/Commonwealth of
COUNTY OF

Massachusetts
Worcester

On this 30th day of June, 2004, then personally appeared before me the
above-named Robert Beauchamp known to me through satisfactory evidence of identification []
employee identification card; [] driver's license; [] (other)

Robert Beauchamp 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.

Nancy J. Forrister
Notary Public

Print Name: Nancy J. Forrister

My Commission expires 03 / 07 / 2008

6/29/08


Inventor's

Massachusetts
Worcester

Rancy J. Farrister
Notary Public

Notary Public

Print Name: Nancy J. Forrister

My Commission expires 03 / 07 / 2008