



12/21/2010



103614104

EET

Docket No.: EMS-367US

To the Director of the U.S. Patent and Trademark Office

Shed documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

(a) Neil F. Schutzman

Execution Date(s): (a) December 16, 2010

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

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

Name: EMC Corporation

Internal Address:

Street Address:

176 South Street
Hopkinton, MA 01748

Country: USA

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other: _____

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☐ This document is being filed together with a new application

A. Patent Application No.(s)

12/924,571

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Muirhead and Saturnelli, LLC

Internal Address:

Street Address: 200 Friberg Parkway
Suite 1001

City: Westborough

State: Massachusetts Zip: 01581

Fax Number: 508-898-8602

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41).....\$ 40.00

- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

- a. Credit Card Last 4 Numbers _____
Expiration Date _____
b. Deposit Account Number 05-0889
Authorized User Name Anne E. Saturnelli

9. Signature:

Anne E. Saturnelli, Reg. No. 41,290

Name of Person Signing

Signature

December 16, 2010

12/21/2010 KNGUYEN10000040 050889 12924571

Total number of pages including cover sheet, attachments, and documents: 9 40.00 DA

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:

Mail Stop Assignment Recordation Services
Director of the U.S. Patent and Trademark Office
P.O. Box 1450, Alexandria, VA 22313-1450

PATENT
REEL: 025614 FRAME: 0352

Attorney Docket No.: EMS-367US
EMC Docket No.: EMC-09-269

ASSIGNMENT

WHEREAS, we, Hongzhen Zhang, Bruce R. Rabe, Scott E. Joyce, Pauline Chen and Neil F. Schutzman, 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 **TECHNIQUES FOR EVENT FILTERING**, 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 September 30, 2010 as U.S. Application No. 12/924,571 ;
- ☐ 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

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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: _____

Inventor's Signature

Print full name of first inventor:

Hongzhen Zhang

Residence:

6 Alexandra Circle

Southborough, MA 01772

Citizenship:

P.R. China

Mailing Address:

Same

COMMONWEALTH OF MASSACHUSETTS

COUNTY OF _____

On this ____ day of _____, 2010, then personally appeared before me the above-named **Hongzhen Zhang** 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:

My Commission expires:

Attorney Docket No.: EMS-367US
EMC Docket No.: EMC-09-269

Date: _____

Inventor's Signature

Print full name of second inventor:

Bruce R. Rabe

Residence:

91 Maple Place

Dedham, MA 02026

Citizenship:

USA

Mailing Address:

Same

COMMONWEALTH OF MASSACHUSETTS

COUNTY OF _____

On this ____ day of _____, 2010, then personally appeared before me the above-named **Bruce R. Rabe** 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:

My Commission expires:

Attorney Docket No.: EMS-367US
EMC Docket No.: EMC-09-269

Date: _____

Inventor's Signature

Print full name of second inventor:

Scott E. Joyce

Residence:

3 Angela Drive
Foxboro, MA 02035

Citizenship:

USA

Mailing Address:

Same

COMMONWEALTH OF MASSACHUSETTS
COUNTY OF _____

On this ____ day of _____, 2010, then personally appeared before me the above-named **Scott E. Joyce** 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:

My Commission expires:

Attorney Docket No.: EMS-367US
EMC Docket No.: EMC-09-269

Date: _____

Inventor's Signature

Print full name of second inventor:

Pauline Chen

Residence:

177 Brigham Hill Road
North Grafton, MA 01536

Citizenship:

New Zealand

Mailing Address:

Same

COMMONWEALTH OF MASSACHUSETTS

COUNTY OF _____

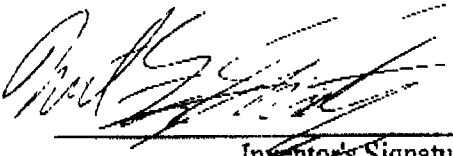
On this ____ day of _____, 2010, then personally appeared before me the above-named **Pauline Chen** known to me through satisfactory evidence of identification ☐ employee identification card; ☐ driver's license; ☐ (other) _____ to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Notary Public

Print Name:

My Commission expires:

Attorney Docket No.: EMS-367US
EMC Docket No.: EMC-09-269

Date: 12/16/10
Inventor's Signature

Print full name of second inventor:

Neil F. Schutzman

Residence:

155 Bracken Drive

Marlborough, MA 01752

Citizenship:

USA

Mailing Address:

Same

COMMONWEALTH OF MASSACHUSETTS

COUNTY OF Middlesex

On this 16th day of December, 2010, then personally appeared before me the above-named Neil F. Schutzman 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 PublicPrint Name: Kristina A. White

My Commission expires:

