

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT3110023

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SALAH MACHANI	11/15/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	EMC CORPORATION
<b>Street Address:</b>	176 SOUTH STREET
<b>City:</b>	HOPKINTON
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	01748
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14227550
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(203)255-6570
<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>	
<b>Phone:</b>	2032556560
<b>Email:</b>	car@rml-law.com
<b>Correspondent Name:</b>	MICHAEL J. COOPER
<b>Address Line 1:</b>	1175 POST ROAD EAST
<b>Address Line 2:</b>	RYAN, MASON & LEWIS, LLP
<b>Address Line 4:</b>	WESTPORT, CONNECTICUT 06880
<b>ATTORNEY DOCKET NUMBER:</b>	EMC-13-1148
<b>NAME OF SUBMITTER:</b>	MICHAEL J. COOPER
<b>SIGNATURE:</b>	/Michael J. Cooper/
<b>DATE SIGNED:</b>	11/17/2014
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 4</b>	
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source=4414-375_FiledAssignment_11172014#page4.tif	

# **RECORDATION FORM COVER SHEET** **PATENTS ONLY**

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

**1. Name of conveying party(ies):**

Salah Machani

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

City: Hopkinton State: MA ZIP: 01748

Additional name(s) & address(es) attached? ☐ Yes ☒ No**3. Nature of conveyance:**☒ Assignment ☐ Merger☐ Security Agreement ☐ Change of Name☐ Other

Execution Date: November 15, 2014

**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:

A. Patent Application No.(s) 14/227,550 Filed April 18, 2014 B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No**5. Name and address of party to whom correspondence concerning document should be mailed:**

Name: Michael J. Cooper

Internal Address: Ryan, Mason &amp; Lewis, LLP

Street Address: 1175 Post Road East

City: Westport State: CT ZIP: 06880

**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 50-0762**

DO NOT USE THIS SPACE

**9. Statement and signature.***To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Michael J. Cooper/Michael J. Cooper/November 17, 2014

Reg. No. 57,749

Signature

Date

Total number of pages including cover sheet, attachments, and document: 4

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Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks

Box Assignments

Washington, DC 20231

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EMC-13-1148

## ASSIGNMENT

**WHEREAS**, I, Salah Machani, 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 **MAP-BASED AUTHENTICATION**, 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 April 18, 2014 as U.S. Application No. 14/227,550;

☐ 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, I 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 me had this assignment and sale not been made; I 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. I 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**, I hereby further agree for myself and my 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**, I 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**, I have hereunto set our hands and affixed our seals as set forth below:


NOV 15, 2014  
Date

  
Salah Machani

On this 15<sup>th</sup> day of Nov, 2014, before me personally came Salah Machani, to me known to be the individual who executed the foregoing instrument, and acknowledged execution of the same.

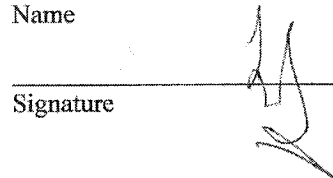
Witness 1:

NOV 15, 2014  
Date

ELICA Holloway  
Name  
  
Signature

Witness 2:

NOV 15, 2014  
Date

Lamie Machani  
Name  
  
Signature