

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT2895212

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ARI JUELS	05/10/2013
NIKOLAOS TRIANDOPOULOS	04/16/2013
MARTEN VAN DIJK	06/09/2014
JOHN BRAINARD	04/16/2013
RONALD RIVEST	04/29/2013
KEVIN BOWERS	04/17/2013
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:	13837259
CORRESPONDENCE DATA	
Fax Number:	(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>	
Phone:	2032556560
Email:	car@rml-law.com
Correspondent Name:	KEVIN M. MASON
Address Line 1:	1175 POST ROAD EAST
Address Line 2:	RYAN, MASON & LEWIS, LLP
Address Line 4:	WESTPORT, CONNECTICUT 06880
ATTORNEY DOCKET NUMBER:	EMC-12-1069
NAME OF SUBMITTER:	KEVIN M. MASON
SIGNATURE:	/Kevin M. Mason/
DATE SIGNED:	06/12/2014
Total Attachments: 8	

PATENT

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**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):

Ari Juels, Nikolaos Triandopoulos,
Marten van Dijk, John Brainard, Ronald Rivest,
Kevin Bowers

**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: May 10, 2013, April 16, 2013,
June 9, 2014, April 16, 2013, April 29, 2013,
April 17, 2013

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) 13/837,259 Filed March 15, 2013 **B. Patent No.(s)**

Additional numbers attached? Yes No

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

Name: Kevin M. Mason
Internal Address: Ryan, Mason & 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.

Kevin M. Mason

/Kevin M. Mason/

June 12, 2014

Reg. No. 36,597

Signature

Date

Total number of pages including cover sheet, attachments, and document: 8

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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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ASSIGNMENT

WHEREAS, we, Ari Juels, Nikolaos Triandopoulos, Marten van Dijk, John Brainard, Ronald Rivest, and Kevin Bowers, 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 **CONFIGURABLE ONE-TIME AUTHENTICATION TOKENS WITH IMPROVED RESILIENCE TO ATTACKS**, 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 March 15, 2013 as U.S. Application No. 13/837,259;
- 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;

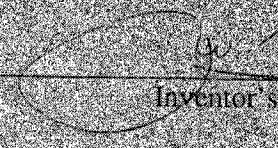
AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, 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:

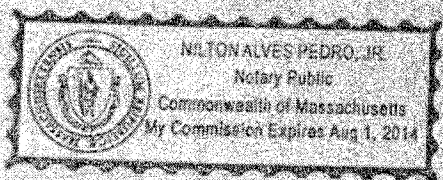
Date: 10 May 2013



Inventor's Signature

Print full name of first inventor: Ari Juels
Residence: Brookline, Massachusetts
Citizenship: United States of America
Mailing Address: 55 Station Street, Apt 3B
Brookline, Massachusetts 02445

STATE/Commonwealth of Massachusetts
COUNTY OF Middlesex

On this 10 day of May, 2013, then personally appeared before me the above-named Ari Juels 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: Niltonalves Pedro
My Commission expires 8/1/14

Date: 4/16/13

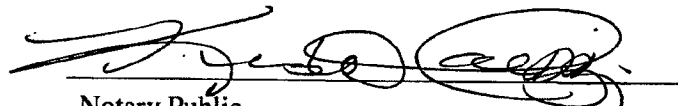


Inventor's Signature

Print full name of second inventor: Nikolaos Triandopoulos
Residence: Arlington, Massachusetts
Citizenship: Greece
Mailing Address: 73 Bartlett Avenue
Arlington, Massachusetts 02476

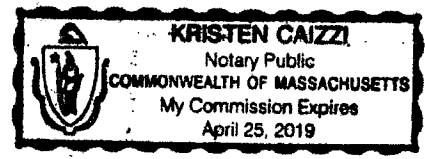
STATE/Commonwealth of Massachusetts
COUNTY OF Middlesex

On this 16 day of April, 2013, then personally appeared before me the above-named Nikolaos Triandopoulos 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: Kristen Caizzi
My Commission expires 4/25/2019



Date June 9

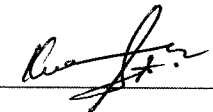

Marten van Dijk

On this 9th day of June, 2014, before me personally came Marten van Dijk, to me known to be the individual who executed the foregoing instrument, and acknowledged execution of the same.

Witness 1:

SYED KAMRAN HAIDER
Name

6/09/2014
Date


Signature

Witness 2:

MASAB AHMAD
Name

06/09/2014
Date


Signature

Date: 4/16/13

John H. Brainard
Inventor's Signature

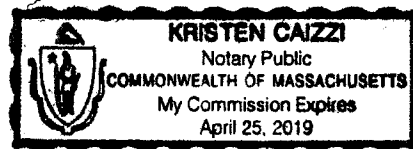
Print full name of fourth inventor: John Brainard
Residence: Sudbury, Massachusetts
Citizenship: United States of America
Mailing Address: 16 Aaron Road
Sudbury, Massachusetts 01776

STATE/Commonwealth of Massachusetts
COUNTY OF Middlesex

On this 16 day of April, 2013, then personally appeared before me the
above-named John Brainard 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.

Kristen Caizzi
Notary Public

Print Name: Kristen Caizzi
My Commission expires 4/25/2019



Date: 4/29/13

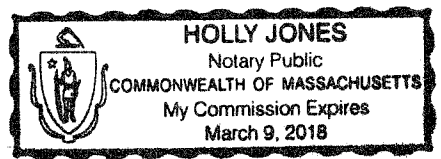
Ronald L. Rivest
Inventor's Signature

Print full name of fifth inventor: Ronald Rivest
Residence: Arlington, Massachusetts
Citizenship: United States of America
Mailing Address: 41 Academy Street
Arlington, Massachusetts 02476

STATE/Commonwealth of Massachusetts
COUNTY OF Middlesex

On this 29 day of April, 2013 then personally appeared before me the above-named Ronald Rivest 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.

Holly Jones
Notary Public
Print Name: Holly Jones
My Commission expires 3/9/2018



PATENT/Joint Assignment
Attorney Docket No.: EMC-12-1069

Date: 4/17/2013

Kevin D Bowers
Inventor's Signature

Print full name of sixth inventor: Kevin Bowers
Residence: Melrose, Massachusetts
Citizenship: United States of America
Mailing Address: 249 Tremont Street
Melrose, Massachusetts 02176

STATE/Commonwealth of Massachusetts
COUNTY OF Middlesex

On this 17 day of April, 2013, then personally appeared before me the above-named Kevin Bowers 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.

Kristen Caizzi
Notary Public

Print Name Kristen Caizzi
My Commission expires 4/25/2019

