

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3359685

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ANGELO E. M. CIARLINI	03/30/2015
FABIO A. M. PORTO	03/30/2015
AMIR H. K. MOGHADAM	03/30/2015
JONAS F. DIAS	03/30/2015
PAULO DE FIGUEIREDO PIRES	03/30/2015
FABIO A. PEROSI	04/06/2015
ALEX L. BORDIGNON	03/30/2015
BRUNO CARLOS DA CUNHA COSTA	03/30/2015
WAGNER DOS SANTOS VIEIRA	03/30/2015
<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:	14672516
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	203-255-6560
<b>Email:</b>	bab@rml-law.com
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<b>Address Line 2:</b>	RYAN, MASON & LEWIS, LLP
<b>Address Line 4:</b>	WESTPORT, CONNECTICUT 06880
<b>ATTORNEY DOCKET NUMBER:</b>	EMC-14-0905
<b>NAME OF SUBMITTER:</b>	KEVIN M. MASON

PATENT

<b>SIGNATURE:</b>	/Kevin M. Mason/
<b>DATE SIGNED:</b>	05/19/2015
<b>Total Attachments: 12</b> source=EMC-14-0905_Assignment#page1.tif source=EMC-14-0905_Assignment#page2.tif source=EMC-14-0905_Assignment#page3.tif source=EMC-14-0905_Assignment#page4.tif source=EMC-14-0905_Assignment#page5.tif source=EMC-14-0905_Assignment#page6.tif source=EMC-14-0905_Assignment#page7.tif source=EMC-14-0905_Assignment#page8.tif source=EMC-14-0905_Assignment#page9.tif source=EMC-14-0905_Assignment#page10.tif source=EMC-14-0905_Assignment#page11.tif source=EMC-14-0905_Assignment#page12.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):**

Angelo E. M. Ciarlini, Fabio A.M. porto, Amir H. K. Moghadam, Jonas F. Dias, Paulo de Figueiredo Pires, Fabio A. Perosi, Alex L. Bordignon, Bruno Carlos da Cunha Costa and Wagner dos Santos Vieira

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: 3/30/15, 3/30/15, 3/30/15, 3/30/15, 3/30/15, 4/6/15, 3/30/15, 3/30/15, 3/30/15

**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) 14/672,516 Filed March 30, 2012 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, 2<sup>nd</sup> Floor

City: Westport State: CT ZIP: 06880

**6. Total number of applications and patents involved: 1**

**7. Total Fee (37 CFR 3.41)..... \$ 0.00**

☐ Enclosed

☐ Authorized to be charged to deposit account

**8. Deposit account number 50-0762**

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**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/

May 19, 2015

Reg. No. 36,597

Signature

Date

Total number of pages including cover sheet, attachments, and document: 12

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ASSIGNMENT

**WHEREAS**, we, Angelo E. M. Ciarlini, Fabio A. M. Porto, Amir H. K. Moghadam, Jonas F. Dias, Paulo de Figueiredo Pires, Fábio A. Perosi, Alex L. Bordignon, Bruno Carlos da Cunha Costa and Wagner dos Santos Vieira 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 **METHODS AND APPARATUS FOR PARALLEL EVALUATION OF PATTERN QUERIES OVER LARGE N-DIMENSIONAL DATASETS TO IDENTIFY FEATURES OF INTEREST**, 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 30, 2015 as U.S. Application No. 14/672,516;

☐ 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: March 30<sup>th</sup>, 2015

Angelo E. M. Ciarlini  
Inventor's Signature

Print full name of first inventor:

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Date: 30<sup>th</sup> March 2015

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Print full name of second inventor:

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Witness JONAS FURTADO DIAS

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MONICA BARROS

Date: March 30, 2015



Inventor's Signature

Print full name of third inventor:

Amir H. K. Moghadam

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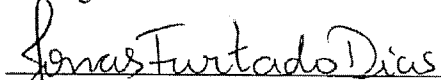
Citizenship:

Iranian

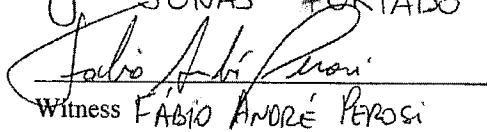
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Witness JONAS FURTADO DIAS



Witness FABIO ANDRÉ PEROSI



Date: March 30, 2015

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Witness MARILÉA GOMES DOS SANTOS RIBEIRO

Date: March 30, 2015

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Date: MARCH 30, 2015

Bruno Carlos da Cunha Costa  
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