

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4433185

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
PATRICIA GOMES SOARES FLORISSI	05/10/2017
OFRI MASAD	05/04/2017
IDO SINGER	05/04/2017
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<b>Name:</b>	EMC IP HOLDING COMPANY LLC
<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>
<b>Application Number:</b>	15582743
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(631)393-6271
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<b>ATTORNEY DOCKET NUMBER:</b>	108352.01
<b>NAME OF SUBMITTER:</b>	JOSEPH B. RYAN
<b>SIGNATURE:</b>	/joseph b. ryan/
<b>DATE SIGNED:</b>	05/26/2017
<b>Total Attachments: 5</b>	
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## ASSIGNMENT

WHEREAS, we, Patricia Gomes Soares Florissi, Ofri Masad and Ido Singer, 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 **SCALABLE DISTRIBUTED IN-MEMORY COMPUTATION UTILIZING BATCH MODE EXTENSIONS**, 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 30, 2017 as U.S. Application No. 15/582,743;
- was patented under U.S. Patent No. \_\_\_\_\_ on \_\_\_\_\_.

WHEREAS, EMC IP Holding Company LLC (hereinafter "ASSIGNEE"), a limited liability company organized and existing under the laws of the State of Delaware 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: 05/10/2017

Patricia Gomes Soares Florissi  
Inventor's Signature

Print full name of first inventor: Patricia Gomes Soares Florissi  
Residence: Briarcliff Manor, New York  
Citizenship: United States of America  
Mailing Address: 2 Winterberry Lane  
Briarcliff Manor, New York 10510

I Brandy Beer (name) whose residential address is  
U.S.A.

was personally present and did see Patricia Gomes Soares Florissi (name of person signing the assignment) who is personally known to me, execute the above assignment.

Brandy Beer (signature of first witness)

Signed at Las Vegas, NV (location of witness signature)

on this day May 10 of 2017. (date of signature)

I John Stevenson (name) whose residential address is  
U.S.A.

was personally present and did see Patricia Gomes Soares Florissi (name of person signing the assignment) who is personally known to me, execute the above assignment.

John Stevenson (signature of second witness)

Signed at LAS VEGAS, NV (location of witness signature)

on this day MAY 10 of 2017. (date of signature)

Date: 4/5/2017

[Signature]  
Inventor's Signature

Print full name of second inventor: Ofri Masad  
Residence: Beer-Sheva, Israel  
Citizenship: Israel  
Mailing Address: Wingate 57/8  
Beer-Sheva, Israel

I Amir Savir (name) whose residential address is

Beer Sheva, Israel  
was personally present and did see Ofri Masad (name of person signing the assignment) who is personally known to me, execute the above assignment.

[Signature] (signature of first witness)

Signed at Beer Sheva, Israel (location of witness signature)

on this day May 11th of 2017. (date of signature)

I Shiri Gaber (name) whose residential address is

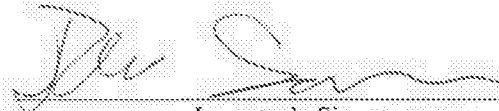
Beer Sheva, Israel  
was personally present and did see Ofri Masad (name of person signing the assignment) who is personally known to me, execute the above assignment.

[Signature] (signature of second witness)

Signed at Beer Sheva, Israel (location of witness signature)

on this day May 4th of 2017 (date of signature)

Date: 4/5/2017

  
Inventor's Signature

Print full name of third inventor: Ido Singer  
Residence: Nes-Ziona, Israel  
Citizenship: Israel  
Mailing Address: 10<sup>th</sup> Moshe Levi St.  
Nes-Ziona, Israel

I Toma Shadon (name) whose residential address is

Moshe Dagan 2/3 Beer Sheva, Israel  
was personally present and did see Ido Singer (name of person signing the assignment) who is personally known to me, execute the above assignment.

 (signature of first witness)

Signed at Beer Sheva, Israel (location of witness signature)

on this day 04/05 of 20 17 (date of signature)

I Anna Ashurov (name) whose residential address is

Menachem Begin 2213 Ashkelon, Israel  
was personally present and did see Ido Singer (name of person signing the assignment) who is personally known to me, execute the above assignment.

 (signature of second witness)

Signed at Beer Sheva, Israel (location of witness signature)

on this day 04/05 of 20 17 (date of signature)