

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5137972

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
STEPHEN J. TODD	08/12/2018
ASSAF NATANZON	07/22/2018
DRAGAN SAVIC	09/07/2018
SAID TABET	08/28/2018
<b>RECEIVING PARTY DATA</b>	
<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>	16047718
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(631)393-6271
<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>	(631) 393-6270
<b>Email:</b>	nyoffice@rml-law.com
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<b>Address Line 1:</b>	RYAN, MASON & LEWIS, LLP
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<b>ATTORNEY DOCKET NUMBER:</b>	111598.01
<b>NAME OF SUBMITTER:</b>	WILLIAM E. LEWIS
<b>SIGNATURE:</b>	/William E. Lewis/
<b>DATE SIGNED:</b>	09/12/2018
<b>Total Attachments: 12</b>	
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## ASSIGNMENT

**WHEREAS**, we, Stephen J. Todd, Assaf Natanzon, Dragan Savic and Said Tabet, 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 **AD-HOC COMPUTATION SYSTEM FORMED IN MOBILE NETWORK**, the specification of which:

☒ [X] is being executed on even date herewith and is about to be filed in the United States Patent Office;

☐ [ ] was filed on \_\_\_\_\_ as U.S. Application No. \_\_\_\_\_;

☐ [ ] 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: \_\_\_\_\_

\_\_\_\_\_  
Inventor's Signature

Print full name of first inventor: Stephen J. Todd  
Residence: Center Conway, New Hampshire  
Citizenship: United States of America  
Mailing Address: 1857 White Mountain Highway, #301  
North Conway, New Hampshire 03860

I \_\_\_\_\_ (name) whose residential address is

\_\_\_\_\_  
was personally present and did see Stephen J. Todd (name of person signing the assignment)  
who is personally known to me, execute the above assignment.

\_\_\_\_\_  
(signature of first witness)

Signed at \_\_\_\_\_ (location of witness signature)

on this day \_\_\_\_\_ of 20\_\_\_\_. (date of signature)

I \_\_\_\_\_ (name) whose residential address is

\_\_\_\_\_  
was personally present and did see Stephen J. Todd (name of person signing the assignment)  
who is personally known to me, execute the above assignment.

\_\_\_\_\_  
(signature of second witness)

Signed at \_\_\_\_\_ (location of witness signature)

on this day \_\_\_\_\_ of 20\_\_\_\_. (date of signature)

Date:

22/7/18

Inventor's Signature

Print full name of second inventor: Assaf Natanzon  
Residence: Tel Aviv, Israel  
Citizenship: Israel  
Mailing Address: Levanon 95  
Tel Aviv, Israel 69395

I, Ido Begun (name) whose residential address is

16 Teshit St. Ramat Gan  
was personally present and did see Assaf Natanzon (name of person signing the assignment)  
who is personally known to me, execute the above assignment.

[Signature] (signature of first witness)

Signed at Herzliya (location of witness signature)

on this day July 22<sup>nd</sup> of 2018 (date of signature)

I, David Ben-Zion (name) whose residential address is

Herzliya 14 Herzliya  
was personally present and did see Assaf Natanzon (name of person signing the assignment)  
who is personally known to me, execute the above assignment.

[Signature] (signature of second witness)

Signed at Herzliya (location of witness signature)

on this day July 22<sup>nd</sup> of 2018 (date of signature)

Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor's Signature

Print full name of third inventor: Dragan Savic  
Residence: Brookline, Massachusetts  
Citizenship: Canada  
Mailing Address: 62 Cypress Street, Apt. #3  
Brookline, Massachusetts 02445

I \_\_\_\_\_ (name) whose residential address is

\_\_\_\_\_  
was personally present and did see Dragan Savic (name of person signing the assignment) who is personally known to me, execute the above assignment.

\_\_\_\_\_  
(signature of first witness)

Signed at \_\_\_\_\_ (location of witness signature)

on this day \_\_\_\_\_ of 20\_\_\_\_. (date of signature)

I \_\_\_\_\_ (name) whose residential address is

\_\_\_\_\_  
was personally present and did see Dragan Savic (name of person signing the assignment) who is personally known to me, execute the above assignment.

\_\_\_\_\_  
(signature of second witness)

Signed at \_\_\_\_\_ (location of witness signature)

on this day \_\_\_\_\_ of 20\_\_\_\_. (date of signature)

Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor's Signature

Print full name of fourth inventor: Said Tabet  
Residence: Sherborn, Massachusetts  
Citizenship: United States of America  
Mailing Address: 15 Peckham Hill Road  
Sherborn, Massachusetts 01770

I \_\_\_\_\_ (name) whose residential address is

\_\_\_\_\_  
was personally present and did see Said Tabet (name of person signing the assignment) who is personally known to me, execute the above assignment.

\_\_\_\_\_  
(signature of first witness)

Signed at \_\_\_\_\_ (location of witness signature)

on this day \_\_\_\_\_ of 20\_\_\_\_. (date of signature)

I \_\_\_\_\_ (name) whose residential address is

\_\_\_\_\_  
was personally present and did see Said Tabet (name of person signing the assignment) who is personally known to me, execute the above assignment.

\_\_\_\_\_  
(signature of second witness)

Signed at \_\_\_\_\_ (location of witness signature)

on this day \_\_\_\_\_ of 20\_\_\_\_. (date of signature)



## ASSIGNMENT

**WHEREAS**, we, Stephen J. Todd, Assaf Natanzon, Dragan Savic and Said Tabet, 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 **AD-HOC COMPUTATION SYSTEM FORMED IN MOBILE NETWORK**, 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 July 27, 2018 as U.S. Application No. 16/047,718;

☐ 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: AUG 12 2018

Stephen J Todd  
Inventor's Signature

Print full name of first inventor:

Stephen J. Todd

Residence:

Center Conway, New Hampshire

Citizenship:

United States of America

Mailing Address:

1857 White Mountain Highway, #301

North Conway, New Hampshire 03860

I THOMAS HOLT (name) whose residential address is

28 Cottage Rd, Dudley MA  
was personally present and did see Stephen J. Todd (name of person signing the assignment)  
who is personally known to me, execute the above assignment.

SK J Holt (signature of first witness)

Signed at 28 Cottage Rd Dudley MA (location of witness signature)

on this day AUG 12 of 2018. (date of signature)

I Pamela Holt (name) whose residential address is

28 Cottage Rd, Dudley MA  
was personally present and did see Stephen J. Todd (name of person signing the assignment)  
who is personally known to me, execute the above assignment.

Pamela Holt (signature of second witness)

Signed at 28 Cottage Rd Dudley MA (location of witness signature)

on this day AUG 12 of 2018. (date of signature)

Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor's Signature

Print full name of second inventor: Assaf Natanzon  
Residence: Tel Aviv, Israel  
Citizenship: Israel  
Mailing Address: Levanon 95  
Tel Aviv, Israel 69395

I \_\_\_\_\_ (name) whose residential address is

\_\_\_\_\_  
was personally present and did see Assaf Natanzon (name of person signing the assignment)  
who is personally known to me, execute the above assignment.

\_\_\_\_\_  
(signature of first witness)

Signed at \_\_\_\_\_ (location of witness signature)

on this day \_\_\_\_\_ of 20\_\_\_\_. (date of signature)

I \_\_\_\_\_ (name) whose residential address is

\_\_\_\_\_  
was personally present and did see Assaf Natanzon (name of person signing the assignment)  
who is personally known to me, execute the above assignment.

\_\_\_\_\_  
(signature of second witness)

Signed at \_\_\_\_\_ (location of witness signature)

on this day \_\_\_\_\_ of 20\_\_\_\_. (date of signature)

Date: 9/7/18

Dragan Savic  
Inventor's Signature

Print full name of third inventor: Dragan Savic  
Residence: Brookline, Massachusetts  
Citizenship: Canada  
Mailing Address: 62 Cypress Street, Apt. #3  
Brookline, Massachusetts 02445

I Amnon Izhar (name) whose residential address is

24 George St Newton MA  
was personally present and did see Dragan Savic (name of person signing the assignment) who is personally known to me, execute the above assignment.

Amnon Izhar (signature of first witness)

Signed at Hopkinton MA (location of witness signature)

on this day September 7<sup>th</sup> of 2018, (date of signature)

I MICHAEL ROBILARD (name) whose residential address is

59 HENRIWAY ST, STERNSBERG MA  
was personally present and did see Dragan Savic (name of person signing the assignment) who is personally known to me, execute the above assignment.

Michael Robillard (signature of second witness)

Signed at 176 Seay St, Hopkinton MA (location of witness signature)

on this day 9/7 of 2018, (date of signature)

Date:

8/28/18

  
Inventor's Signature

Print full name of fourth inventor:

Said Tabet

Residence:

Sherborn, Massachusetts

Citizenship:

United States of America

Mailing Address:

15 Peckham Hill Road

Sherborn, Massachusetts 01770

I Laurie Morse (name) whose residential address is

4 Overlook Ave, Millbury, MA 01527

was personally present and did see Said Tabet (name of person signing the assignment) who is personally known to me, execute the above assignment.

Lamin A. Mwan (signature of first witness)

Signed at Hopkinton office (location of witness signature)

on this day August 28th of 2018. (date of signature)

I Robert Lincolet (name) whose residential address is

176 South Street, Hopkinton MA 01748

was personally present and did see Said Tabet (name of person signing the assignment) who is personally known to me, execute the above assignment.

[Signature] (signature of second witness)

Signed at Hopkinton office (location of witness signature)

on this day Aug 28th of 2018. (date of signature)