

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT4652474

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SERGEY RYTENKOV	10/19/2017
HAGAY DAGAN	10/19/2017
RECEIVING PARTY DATA	
Name:	EMC IP HOLDING COMPANY LLC
Street Address:	176 SOUTH STREET
City:	HOPKINTON
State/Country:	MASSACHUSETTS
Postal Code:	01748
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14193541
CORRESPONDENCE DATA	
Fax Number:	
<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:	978 264 4001
Email:	handerson@smmalaw.com
Correspondent Name:	ANDERSON GORECKI LLP
Address Line 1:	2 DUNDEE PARK
Address Line 4:	ANDOVER, MASSACHUSETTS 01810
ATTORNEY DOCKET NUMBER:	130-122 EMC-13-631
NAME OF SUBMITTER:	HOLMES W. ANDERSON
SIGNATURE:	/Holmes W. Anderson/
DATE SIGNED:	10/23/2017
Total Attachments: 7	
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ASSIGNMENT

WHEREAS, we, **Ophir Aharoni, Gil Ratsaby, Sergey Rytenkov, Dan Aharoni and Hagay Dagan** 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 **Pre-Calculated Performance Simulation** (Application), 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 28 February 2014 as U.S. Application No. 14/193,541;

☐ was patented under U.S. Patent No. _____.

WHEREAS, EMC IP HOLDING COMPANY LLC (hereinafter "ASSIGNEE"), a Delaware limited liability company 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;

AND, we do hereby authorize Anderson Gorecki LLP, whose full office address is 2 Dundee Park, Suite 301A, Andover, MA 01810, to correct errors in this Assignment and to insert any further identification and other information necessary or desirable to make this Assignment suitable for recording in a domestic or foreign Patent Office.

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:

Ophir Aharoni

Residence: 47 Winchester St, Unit #1,
Brookline MA 02446

Citizenship: Israel

Mailing Address: 176 South Street,
Hopkinton, Massachusetts 01748

STATE/Commonwealth of _____

COUNTY OF _____

On this _____ day of _____, then personally appeared before me the above-named _____
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: _____

My Commission expires ____ / ____ / ____

Date: _____

Inventor's Signature

Print full name of second inventor:

Gil Ratasby

Residence: 170 Brookline Ave.

Boston, MA 02215

Citizenship: Israel

Mailing Address: 176 South Street,
Hopkinton, Massachusetts 01748

STATE/Commonwealth of _____

COUNTY OF _____

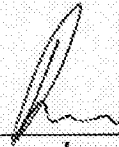
On this _____ day of _____, then personally appeared before me the above-named _____
known to me through satisfactory evidence of identification [] employee identification card; [] driver's license;
[] (other) _____ to be the person whose name is subscribed to the foregoing
Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein
contained.

Notary Public

Print Name: _____

My Commission expires ____ / ____ / ____

Date: October 19, 2017



Inventor's Signature

Print full name of third inventor:

Sergey Rytenkov

Residence: Shatelena St. 12, Apt. 55

St. Petersburg

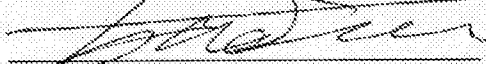
Russian Federation

Citizenship: Russian Federation

Mailing Address:

Same as residence above

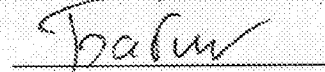
I, Mikhail Babich (name) whose residential address is Russia, St. Petersburg, B. Pushkarskaya 2, #15 was personally present and did see Sergey Rytenkov (name of person signing the assignment) who is personally known to me, execute the above assignment.

 (signature of first witness)

Signed at St. Petersburg, Russia (location of witness signature)

on this day October 19, 2017 of 2017. (date of signature)

I, Natalia Babich (name) whose residential address is Russia, St. Petersburg, ul. Shatelena d.12, k.55 was personally present and did see Sergey Rytenkov (name of person signing the assignment) who is personally known to me, execute the above assignment.

 (signature of second witness)

Signed at St. Petersburg, Russia (location of witness signature)

on this day October 19, of 2017 (date of signature)

Date: _____

Inventor's Signature

Print full name of fourth inventor:

Dan Aharoni

Residence: 47 Winchester St, Unit #1,

Brookline MA 02446

Citizenship: USA

Mailing Address: 176 South Street,

Hopkinton, Massachusetts 01748

STATE/COMMONWEALTH OF _____

COUNTY OF _____

On this _____ day of _____, then personally appeared before me the above-named _____

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: _____

My Commission expires ____ / ____ / ____

Date:

10/19/2017


Inventor's Signature

Print full name of fifth inventor:

Hagay Dagan

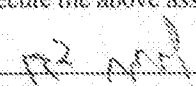
Residence: 140 Hameyasdim,
Pardes Hanna-Karkur,
Israel 3713472

Citizenship: Israel

Mailing Address:

Same as residence above

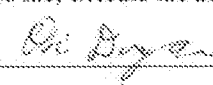
I, LIMOR DAGAN (name) whose residential address is 140 HAMEYASDIM, PARDES HANNA KARKUR was personally present and did see HAGAY DAGAN (name of person signing the assignment) who is personally known to me, execute the above assignment.

 (signature of first witness)

Signed at 140 HAMEYASDIM (location of witness signature)

on this day OCTOBER 19th of 20 17. (date of signature)

I, ORI DAGAN (name) whose residential address is 140 HAMEYASDIM, PARDES HANNA KARKUR was personally present and did see HAGAY DAGAN (name of person signing the assignment) who is personally known to me, execute the above assignment.

 (signature of second witness)

Signed at 140 HAMEYASDIM, PARDES HANNA (location of witness signature)

on this day OCTOBER 19th of 20 17. (date of signature)