

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5044240

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ORON GOLAN	06/18/2018
AVIRAM FIREBERGER	06/18/2018
AMOS ZAMIR	06/18/2018
KFIR WOLFSON	06/18/2018
UDI SHEMER	06/19/2018
<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>	16031930
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(801)328-1707
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<b>ATTORNEY DOCKET NUMBER:</b>	16192.217
<b>NAME OF SUBMITTER:</b>	PETER F. MALEN JR.
<b>SIGNATURE:</b>	/Peter F. Malen Jr./
<b>DATE SIGNED:</b>	07/10/2018
<b>Total Attachments: 7</b>	

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**ASSIGNMENT**

**WHEREAS**, I/we, Oron Golan, Aviram Fireberger, Amos Zamir, Kfir Wolfson and Udi Shemer 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 AUTOMATIC COPY VALIDATION USING REAL-WORLD APPLICATION TRAFFIC, 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 \_\_\_\_\_ as U.S. Application No. \_\_\_\_\_;

was patented under U.S. Patent No. \_\_\_\_\_ on \_\_\_\_\_.

**WHEREAS**, EMC IP Holding Company LLC (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws 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 me/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, I/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 me/us had this assignment and sale not been made; I/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. I/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**, I/we hereby further agree for myself/ourselves and my/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**, I/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**, I/we have hereunto set my/our hands and affixed my/our seals as set forth below:

Date: June 18 20

Inventor's Signature

Print full name of inventor:

Oron Golan

Residence:

Meitar, Israel

Citizenship:

Israel

Mailing Address:

5 Halamish St., Meitar, Israel

I Roie ben eli ahv (name) whose residential address is  
vh w -a al HaYafrok 446/2  
was personally present and did see oron golan (name of person signing the  
assignment) who is personally known to me, execute the above assignment.

Signed at Roie eli a (signature of first witness)  
hall EMC here (location of witness signature)  
on this day 1 6 of 20 . (date of signature)

I (name) whose residential address is  
was personally present and did see (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:

Inve nature

Print full name of inventor:

Aviram Fireberger

Residence:

Moshav Mavkiim, Israel

Citizenship:

Israel

Mailing Address:

224 Moshav Mavkiim, Moshav Mavkiim, Israel

I *El' ben eli ahv* (name) whose residential address is  
*Uham of a a ka rda 446 2*  
was personally present and did see *Aviram reber* (name of person signing the  
assignment) who is personally known to me, execute the above assignment.

*El' ben eli* (signature of first witness)  
Signed at *1 -mc* (location of witness signature)  
on this day \_\_\_\_\_ of 20 \_\_\_\_ . (date of signature)

I *MORAN LAV* (name) whose residential address is  
-  
was personally present and did see *Aviram reberger* (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 8/6 of 20 \_\_\_\_ . (date of signature)

Date: June 1 2018

Inventor's Signature

Print full name of inventor: Amos Zamir  
Residence: Beer Sheva, Israel  
Citizenship: Israel  
Mailing Address: 23-64 Hativa Shemone Street, Beer Sheva, Israel

I Roi ben eli ahv (name) whose residential address is  
shua'at Ya 1446 2  
was personally present and did see am zamir (name of person signing the  
assignment) who is personally known to me, execute the above assignment.

Roi ben eli (signature of first witness)  
Signed at Beer Sheva (location of witness signature)  
on this day 1 6 of 20 . (date of signature)

I Wlora (name) whose residential address is  
- a  
was personally present and did see MOS AMIR (name of person signing the  
assignment) who is personally known to me, execute the above assignment.

(signature of second witness)  
Signed at dell EMC beer sheva (location of witness signature)  
on this day 1 16 of 20 . (date of signature)

Date:

Inventor's Signature

Print full name of inventor:

**Kfir Wolfson**

Residence:

Beer Sheva, Israel

Citizenship:

Israel

Mailing Address:

29A Bezalel St., Apt .14, Beer Sheva, Israel

I *anna a hu v* (name) whose residential address is  
*u n*  
was personally present and did see *kfi* (name of person signing the  
assignment) who is personally known to me, execute the above assignment.

Signed at *no, e* (signature of first witness)  
*r hev* (location of witness signature)  
on this day *06* of 20 . (date of signature)

I (name) whose residential address is  
was personally present and did see (name of person signing the  
assignment) who is personally known to me, execute the above assignment.

Signed at *-* (signature of second witness)  
*r S* (location of witness signature)  
on this day *8* of 20 . (date of signature)

Date: 9/6

Inventor's signature

Print full name of inventor:

Udi Shemer

Residence:

Kfar Saba Israel

Citizenship:

Israel

Mailing Address:

Brenner 7 7, Kfar Saba, Israel

le Solan  
ic Y

(name) whose residential address

Te vi

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

(signature of first witness)

Signed at

187

(location of witness signature)

on this day

th

of 20 (date of signature)

I B n

(name) whose residential address

Tash 16 R. i a

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

(signature of second witness)

Signed at

Hef

(location of witness signature)

on this day

20th

of 20 (date of signature)