505159731 10/25/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JEHUDA SHEMER	10/25/2018
KFIR WOLFSON	10/25/2018
ITAY AZARIA	10/25/2018

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:	16170809

CORRESPONDENCE DATA

Fax Number: (801)328-1707

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.

Phone: 801-533-9800

Email: mdunaway@wnlaw.com
Correspondent Name: WORKMAN NYDEGGER
Address Line 1: 60 EAST SOUTH TEMPLE

Address Line 2: SUITE 1000

Address Line 4: SALT LAKE CITY, UTAH 84111

ATTORNEY DOCKET NUMBER:	16192.241
NAME OF SUBMITTER:	CARL T REED
SIGNATURE:	/Carl T. Reed/
DATE SIGNED:	10/25/2018

Total Attachments: 5

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ASSIGNMENT

WHEREAS, I/we, Jehuda Shemer, Kfir Wolfson and Itay Azaria 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 ANY POINT IN TIME REPLICATION TO THE CLOUD, 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 Noon		
****	TARAGE DAG ID Halding Commons II C (hospinsfor "ASSIGNEE") a corporation		

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:

,	Inventor's Signature
Print full name of inventor:	Jehuda Shemer
Residence:	Kfar Saba, Israel
Citizenship:	IL
Mailing Address:	Brenner 7/7
	Kfar Saba, IL
1 Leonid Bezghatsky Beit Ha-Azava 3/18 Ris	(name) whose residential address is thom LeZion, ISRAEL
was personally present and did see	Tehada Shemez (name of person signing the
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assignment) who is personally known	to me, execute the above assignment.
assignment) who is personally known Signed at Hezzelya, ISP on this day 25/10	
Signed at Henzelya, ISPA on this day 25/10	(signature of first witness) 4£L (location of witness signature) of 20 18. (date of signature)
Signed at Henzelya, ISPA on this day 25/10	(signature of first witness) 4£L (location of witness signature) of 20 18. (date of signature)
Signed at Henzelya, ISPA on this day 25/10	(signature of first witness) 4£L (location of witness signature) of 20 18. (date of signature)
Signed at Herzelya, ISPI on this day 25/10 I Noga Bracha Tel AUV, was personally present and did see	(signature of first witness) 451 (location of witness signature) of 2018. (date of signature) (name) whose residential address is ISYAE Johnson Slewey (name of person signing the
Signed at Hezzelya, ISPI on this day 25/10 I Noga Bracha Tel ANV, was personally present and did see assignment) who is personally known	(signature of first witness) ALL (location of witness signature) of 20 18. (date of signature) (name) whose residential address is Levil Come, execute the above assignment.
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Date: 25/0cT/2018	and the state of t
vaic. 20/001/2018	
	Inventor's Signature
Print full name of inventor:	Kfir Wolfson
Residence:	Beer Sheva, IL
Citizenship:	Israel
Mailing Address:	29A Bezalel st. Apt 14
	Beer Sheva, IL
OHad Levy	(name) whose residential address is
	(name of person signing the
assignment) who is personally known	to me, execute the above assignment.
and the same	
	(signature of first witness)
Signed at Beer Sheva	(signature of first witness) (location of witness signature)
Signed at Beer Shera on this day 25//0	(signature of first witness) (location of witness signature) of 20 1 1. (date of signature)
Signed at <u>Seer Shera</u> on this day <u>25//0</u>	(signature of first witness) (location of witness signature) of 20 1 ½. (date of signature)
Signed at Beer Sheva	(signature of first witness) (location of witness signature) of 20 1 ½. (date of signature)
on this day <u>25//o</u>	of 20 <u>17</u> . (date of signature)
n this day <u>25//o</u>	of 20 1 7. (date of signature) (name) whose residential address is
20HBA TAL HAKOJEL HAMAARN 26	of 2017. (date of signature) (name) whose residential address is
20HBA TAL HAKOTEL HAMAARI 26 was personally present and did see	of 2017. (date of signature) (name) whose residential address is beel Sheva (name of person signing the
on this day	of 2017. (date of signature) (name) whose residential address is
TAL HAKOTEL HAMAARII 26 was personally present and did see assignment) who is personally known	(name) whose residential address is beel Sheva Kela Wolfson (name of person signing the to me, execute the above assignment.
on this day	(name) whose residential address is beel Sheve KFI Wolfson (name of person signing the to me, execute the above assignment. (signature of second witness)
was personally present and did seeassignment) who is personally known	(name) whose residential address is beel Sheva

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Date: 05 - 06 T - 13	44			
*	Inventor's Signature		***************************************	
Print full name of inventor:	Itay Azaria			
Residence:	Beer Sheva, IL			
Citizenship:	Israel			
Mailing Address:	26 Derech Hameshal	nrerim		
	Beer Sheva, IL			
1 Chal Levy Ali Deva 4P20 B	(name) whose	residential	address	is
was personally present and did see I/a	a Kravia	(name of pers	on signing	the
assignment) who is personally known to me, e	Xecute the above assig	nment.		
Signed at See She on (le on this day 25/10 of 20	ocation of witness sign	ature)		
	(nama) whose	residential	address	is
1 ZOHAR TAL HAKOTEL HAMHARAY 26	Reel Chouse	(C.Jigofficia)	4661600	
was personally present and did see Thy assignment) who is personally known to me, e	Azaria	(name of per	son signing	the
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Signed at Beer Sheva (
on this day of 20)/ <u>{</u> . (date of signature	e)		

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