505451756 04/30/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT		
NATURE OF CONVEYAN	ICE:	ASSIGNMENT			
CONVEYING PARTY DA	АТА				
	Name	Execution Date			
NIMROD SHANI			04/24/2019		
TAL ZOHAR			04/24/2019		
NADAV KRISPIN			04/29/2019		
LERON FLIESS			04/28/2019		
RECEIVING PARTY DA	ТА				
Name:	EMC IP I	HOLDING COMPANY LLC			
Street Address:	176 SOL	JTH STREET			
City:	HOPKIN	TON			
State/Country:	MASSAC	CHUSETTS			
Postal Code:	01748				
Property Type		Number			
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Property Type Application Number:	1	Number 6397272			
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ASSIGNMENT

WHEREAS, we, Nimrod Shani, Tal Zohar, Nadav Krispin and Leron Fliess, 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 METHOD TO RECOVER METADATA IN A CONTENT AWARE STORAGE SYSTEM and identified as Attorney Docket No. DELL-053PUS, 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 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 me;

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;

> PATENT REEL: 049028 FRAME: 0464

PATENT Atty. Dckt. No.: DELL-053PUS Client Case No.: 114681.01

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 hereby authorize attorneys that we have appointed and EMC IP Holding Company LLC to insert here in parenthesis (103972-72)-9-19) the application number and filing date of said Application (or foreign counterpart application) to facilitate the recording or other official processing of this Assignment.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals as set forth below:

Page 2 of 6

PATENT REEL: 049028 FRAME: 0465

PATENT Atty. Dckt. No.: DELL-053PUS Client Case No.: 114681.01

April 24,2019 Date:

Inventor's Signature

Print full name of first inventor: Residence:

Citizenship: Mailing Address: Nimrod Shani Hayke Grossman 9 Raanana 4373312 ISRAEL Israel Same as above

I, <u>Amir Kredi</u> (name of first witness), whose residential address is Rivka Gover 8, Raanana. ISRAEL

was personally presented and did see <u>Nimrod Shani</u> who is personally known to me, execute the above assignment.

(signature of first witness)

 Signed at _____Glil Yam, ISRAEL (location of witness signature)

 on this day __April 24 ______, 20 19 (date of witness signature)

1, Naama Cohen (name of second witness), whose residential address is Pnel Hagivhaa 2, Ramat Gan, ISRAEL

was personally presented and did see <u>Nimrod Shani</u> who is personally known to me, execute the above assignment.

	Laama	(signature of second	witness)
Signed at	Glil Yam, ISRAEL	······································	_(location of witness signature)
on this day	April 24	, 20 19	(date of witness signature)

PATENT Atty. Dckt. No.: DELL-053PUS Client Case No.: 114681.01

Inventor's Signature

Date: Upr. 24 2014

Print full name of first inventor: Residence:

Citizenship: Mailing Address: Tal Zohar 37/2 Anatot Street Tel Aviv ISRAEL Israel Same as above

I, Amir Kredi (name of first witness), whose residential address is Rivka Gover 8, Raanana. ISRAEL

was personally presented and did see <u>Tal Zohar</u> who is personally known to me, execute the above assignment.

(signature of first witness)

Signed at _____ (location of witness signature)

on this day ______, 20__19_ (date of witness signature)

I, Naama Cohen (name of second witness), whose residential address is Pnei Hagivhaa 2, Ramat Gan, ISRAEL

was personally presented and did see <u>Tal Zohar</u> who is personally known to me, execute the above assignment.

I,	Nadma.	(signature of secon	d witness)
Signed at	Glil Yam, ISRAEL		(location of witness signature)
on this day	April 24	, 20 19	(date of witness signature)

Page 4 of 6

PATENT Atty. Dekt. No.: DELL-053PUS Client Case No.: 114681.01

Date: Abril Inventor's/Signature Nadav Krispin Print full name of first inventor: Residence: Dov Karmi 5 Tel-Aviv ISRAEL Citizenship: Israel Mailing Address: Same as above Kre. 7 mit (name of first witness), whose residential address is Guran Rushma Pirka was personally presented and did see Nadav Krispin who is personally known to me, execute the above assignment. (signature of first witness) Ulw 611 (location of witness signature) Signed at _____, 20_____ (date of witness signature) 2 2 on this day (name of second witness), whose residential address is <u>SC</u> <u>Ben Elizer</u> St. <u>Ramaf</u> <u>En</u> was personally presented and did see <u>Nadav Krispin</u> who is personally known to me, execute the above assignment, (signature of second witness) 1, G [1] Yaur (location of witness signature) Signed at 20 $\Lambda 9$ (date of witness signature) 28 on this day o (9 Page 5 of 6

PATENT REEL: 049028 FRAME: 0468

PATENT Atty. Dekt. No.: DELL-053PUS Client Case No.: 114681.01

PATENT

REEL: 049028 FRAME: 0469

Date: 28/4/19

Inventor's Signature

Print full name of first inventor: Residence:

Citizenship: Mailing Address: Leron Fliess Hameyasdim 6/32 Kiryat Ono 5552106 ISRAEL Israel Same as above

I. Amir Kredi

_____ (name of first witness), whose residential address is

Rivka Gover 8, Raanana. ISRAEL

Rivka Gover 8, Raanana. ISRAEL was personally presented and did see Leron Fliess who is personally known to me, execute the above assignment.

(signature of first witness)

Signed at _____ (location of witness signature)

on this day April 24 , 20 19 (date of witness signature)

I, Naama Cohen (name of second witness), whose residential address is

Pnel Hagivhaa 2, Ramat Gan, ISRAEL

Pnei Hagivhaa 2, Ramat Gan, ISRAEL was personally presented and did see Leron Fliess who is personally known to me, execute the above assignment.

I. Naama (signature of second witness)

Signed at _Glil Yam, ISRAEL_____(location of witness signature)

on this day April 24 , 20 19 (date of witness signature)

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Page 6 of 6

RECORDED: 04/30/2019