506979314 11/16/2021

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JEAN-PIERRE BONO	10/27/2021
MARC A. DE SOUTER	10/27/2021
JOONJACK YAP	10/27/2021

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:	17512610

CORRESPONDENCE DATA

Fax Number:

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: 7136581818

Email: courtney.graves@chamberlainlaw.com

Correspondent Name: ALY Z. DOSSA

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ATTORNEY DOCKET NUMBER:	170360-093800US
NAME OF SUBMITTER:	COURTNEY GRAVES
SIGNATURE:	/Courtney Graves/
DATE SIGNED:	11/15/2021

Total Attachments: 5

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PATENT 506979314 REEL: 058121 FRAME: 0348

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> PATENT REEL: 058121 FRAME: 0349

PATENT/Joint Assignment Dell EMC Docket No.: 123117.01: 170360-069700US

ASSIGNMENT

WHEREAS, we, Jean-Pierre Bono, Marc A. De Souter, and JoonJack Yap 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 *METHODS AND SYSTEMS FOR STORING DATA IN A DISTRIBUTED SYSTEM USING OFFLOAD COMPONENTS WITH ADVANCED DATA SERVICES*, the specification of which:

[X] is being executed on even date herewith and is about to be filed in t States Patent Office;		
[]	was filed on	as U.S. Application No;
[]	was patented under U.S. Paten	t No

WHEREAS, EMC IP Holding Company LLC (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Commonwealth of Massachusetts 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

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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:

PATENT/Joint Assignment Dell EMC Docket No.: 123117.01; 170360-069700US

Date:	10/27/2021	/Jean-Pierre Bono/	
		Inventor's Signature	
Print full	name of first inventor:	Jean-Pierre Bono	
Residence	e :	Lakeway, TX	
Citizenshi	p:	U.S.	
Mailing A	address:	c/o EMC IP Holding Company LLC 176 South Street Hopkinton, MA 01748	

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Date:	10/27/2021	/Marc A. De Souter/
		Inventor's Signature
Print full n	ame of second inventor:	Marc A. De Souter
Residence		Austin, Texas
Citizenship	o:	U.S.
Mailing A	ddress:	c/o EMC IP Holding Company LLC 176 South Street Hopkinton, MA 01748

RECORDED: 11/16/2021

PATENT/Joint Assignment Dell EMC Docket No.: 123117.01; 170360-069700US

Date:	10/27/2021	/JoonJack Yap/	
-		Inventor's Signature	
Print fu	ll name of third inventor:	JoonJack Yap	
Residen	nce:	Austin, Texas	
Citizens	ship:	U.S.	
Mailing	Address:	c/o EMC IP Holding Company LLC 176 South Street Hopkinton, MA 01748	