506326818 10/28/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT6373568

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
WAQAS ASHRAF	03/19/2018
SUDHA KRISHNAN IYER	03/15/2018
JUN H. AHN	03/26/2018
RAHUL S. PAWAR	03/19/2018

RECEIVING PARTY DATA

Name:	COMMVAULT SYSTEMS, INC.
Street Address:	1 COMMVAULT WAY
City:	TINTON FALLS
State/Country:	NEW JERSEY
Postal Code:	07724

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17080265

CORRESPONDENCE DATA

Fax Number: (949)760-9502

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.

9497600404 Phone:

Email: efiling@knobbe.com

Correspondent Name: KNOBBE MARTENS OLSON & BEAR, LLP

2040 MAIN STREET, 14TH FLOOR Address Line 1:

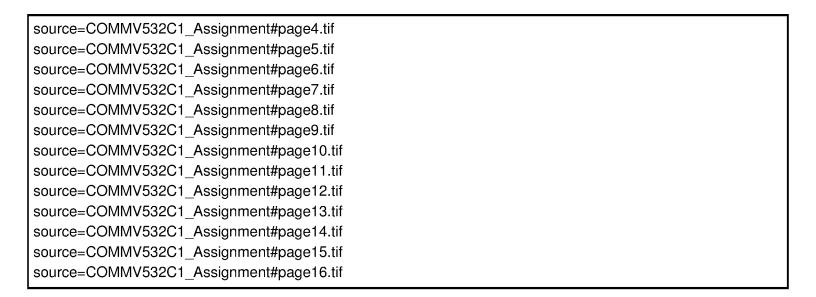
Address Line 4: **IRVINE, CALIFORNIA 92614**

ATTORNEY DOCKET NUMBER:	COMMV.532C1
NAME OF SUBMITTER:	SEAN AMBROSIUS
SIGNATURE:	/Sean Ambrosius/
DATE SIGNED:	10/28/2020

Total Attachments: 16

source=COMMV532C1_Assignment#page1.tif source=COMMV532C1 Assignment#page2.tif source=COMMV532C1_Assignment#page3.tif

> **PATENT** REEL: 054200 FRAME: 0792 506326818



PATENT REEL: 054200 FRAME: 0793

ASSIGNMENT BY INVENTORS

This Assignment is by the following individuals (individually and together, the "Assignor"):

- Waqas Ashraf, a citizen of the United States of America, and having a mailing address of 130 Tanya Circle, Ocean, New Jersey 07712, USA;
- Sudha Krishnan Iyer, a citizen of India, and having a mailing address of 20151 Northwood Drive, Cupertino, California 95104 USA;
- Jun H. Ahn, a citizen of South Korea, and having a mailing address of 7 Waterville Road, Manalapan, New Jersey 07726 USA; and
- Rahul S. Pawar, a citizen of the United States of America, and having a mailing address of 99 Stevenson Drive, Marlboro, New Jersey 07746 USA.

The Assignor invented and/or co-invented one or more inventions, contributions, concepts, ideas, developments, discoveries, processes, formulas, methods, compositions, techniques, technology, articles, machines, improvements, and all related know-how (collectively "Invention(s)") described or claimed in an application for Patent of the United States, which is currently entitled **GRANULAR RESTORATION OF VIRTUAL MACHINE APPLICATION DATA** and naming Assignor as the sole inventor(s), and filed on March 28, 2018 as U.S. Application No. 15/939,245 (the "Application"). The Assignor authorizes the Assignee, identified below, or its representatives to insert the application number and filing date of the Application after they are known.

Assignor desires to assign the entire right, title and interest in and to the Invention(s), the Application, and all related rights to Commvault Systems, Inc., a Delaware corporation having its principal place of business at 1 Commvault Way, Tinton Falls, New Jersey 07724, USA (the "Assignee") pursuant to this Assignment.

- (a) the Invention(s) and Application;
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- (c) all patent applications claiming direct or indirect priority to the Application and/or any patents issuing from the Application that have been or may be filed or issued in the future, including divisions, continuations, and continuations-in-part;
 - (d) all patents that may be granted on any of the foregoing in clauses (a) through (c);
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- (g) the right to file foreign and United States applications on the Invention(s), including filing directly in the name of Assignee; and
- (h) all past, present, and future: claims, causes of action, and enforcement rights for infringement or violation of any of the foregoing in clauses (a) through (f), including the right to sue and collect damages, royalties, and other remedies.

Assignor hereby authorizes and requests the Commissioner of Patents of the United States, and any official of any country, whose duty it is to issue patents on applications, to issue all patents subject to this Assignment to the Assignee.

Assignor represents that he or she has not previously assigned or licensed, or promised to assign or license, the Assigned Patent Rights to anyone other than Assignee, or taken any other action that conflicts with this Assignment or grants any immunities or rights under the Assigned Patent Rights to anyone other than Assignee.

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This Assignment is effective: October 3, 2016

Assignor's Signature:

WACAS ASHRAF

Attorney's Signature:

Attorney's Name: JOSEPHINE A. PALTIN, an Attorney-at-Law of the State of New Jersey, authorized pursuant to N.J.S.A. 41.2-1, having identified the person(s) who executed the foregoing document and who affirmed execution of same.

Assignor's Signature:

SUDHA KRISHNAN IYER

Attorney's Signature:

Attorney's Name: JOSEPHINE A. PALTIN, an Attorney-at-Law of the State of New Jersey, authorized pursuant to N.J.S.A. 41:2-1, having identified the person(s) who executed the foregoing document and

Page 3 of 4

Assignee Docket No.: 100.558.US1.160 Attorney Docket No.: 060692-8152.US01	
Assignor's Signature:	
	JUN H. AHN
Attorney's Signature	Date:
Attorney's Name: JOSEPHINE A. PALTIN, an Attorn pursuant to N.J.S.A. 41:2-1, having identified the per who affirmed execution of same.	or & over the contract over the property of the contract
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•	RAHUL S. PAWAR
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: *************************************		
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Altomey's Signature:		80
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Assignor's Signature		***************************************
Attomey's Signature: 121/1/2///	SUDHA KRISHNAN IYEF	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
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Page 3 of 4.

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	JUN H. AHN
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		JUN J	H. AHN	
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	HINE A. PALTIN, an Attorney-at-Lat 1, having identified the person(s) wi same.			
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	Assignor's Signature:		
		JUN H. AHN	
Attomey's Signature:		\$\text{\$\exitt{\$\exitt{\$\text{\$\exitt{\$\}}}\\ \text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\exitit{\$\text{\$\text{\$\text{\$\}\exititt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}	>>>>>>
	2-1, having identified the person(s)	Law of the State of New Jersey, aut who executed the foregoing docume	
pursuant to N.J.S.A. 41:	:2-1, having identified the person(s) of same. Assignor's Signature:	who executed the foregoing docume	
pursuant to N.J.S.A. 41:	:2-1, having identified the person(s) of same. Assignor's Signature:		

RECORDED: 04/28/2028