

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT7280879

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HEDVIG, INC.	02/26/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	COMMVault SYSTEMS, INC.
<b>Street Address:</b>	1 COMMVault WAY
<b>City:</b>	TINTON FALLS
<b>State/Country:</b>	NEW JERSEY
<b>Postal Code:</b>	07724
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17707077
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(949)760-9502
<i>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.</i>	
<b>Phone:</b>	9497600404
<b>Email:</b>	efiling@knobbe.com
<b>Correspondent Name:</b>	KNOBBE MARTENS OLSON & BEAR, LLP
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<b>ATTORNEY DOCKET NUMBER:</b>	COMMV.495C2
<b>NAME OF SUBMITTER:</b>	SEAN AMBROSIUS
<b>SIGNATURE:</b>	/Sean Ambrosius/
<b>DATE SIGNED:</b>	04/14/2022
<b>Total Attachments: 3</b>	
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**ASSIGNMENT**

WHEREAS, Hedvig, Inc., a Delaware corporation having offices at 2350 Mission College Blvd., Suite 500, Santa Clara, CA 95054 USA (hereinafter "ASSIGNOR"), is the sole owner of the entire right, title, and interest to certain new and useful improvements for which ASSIGNOR has filed Letters Patents and applications for Letters Patents listed in the attached Schedule A (hereinafter "the Patents and Patent Applications");

WHEREAS, Commvault Systems, Inc., a Delaware corporation having offices at 1 Commvault Way, Tinton Falls, New Jersey, 07724 USA (hereinafter "ASSIGNEE") desires to purchase the entire right, title, and interest in and to the inventions disclosed in the Patents and Patent Applications;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby further acknowledges that it has sold, assigned, and transferred, and by these presents does hereby sell, assign, and transfer, unto ASSIGNEE, its successors, legal representatives, and assigns, the entire right, title, and interest throughout the world in, to, and under the said improvements, and the said Patents and Patent Applications and all Patents that may be granted thereon, and all provisional applications relating thereto, and all divisions, continuations, reissues, reexaminations, renewals, and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent that may hereafter be filed for said improvements or for the said Patents and Patent Applications in any country or countries foreign to the United States; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patents for said improvements and all Letters Patents resulting from the Patents and Patent Applications to ASSIGNEE, its successors, legal representatives, and assigns, in accordance with the terms of this Agreement.

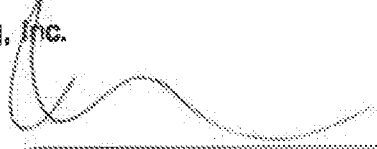
ASSIGNOR does hereby sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of the Letters Patents before or after issuance;

ASSIGNOR hereby covenants and agrees that it will communicate to ASSIGNEE, its successors, legal representatives, and assigns any facts known to ASSIGNOR respecting the Patents and Patent Applications immediately upon becoming aware of those facts, and that it will testify in any legal proceeding involving any of the Patents and Patent Applications, will sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths, and will generally do everything possible to aid ASSIGNEE, its successors, legal representatives, and assigns to obtain and enforce the Patents and Patent Applications in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 26 day of February, 2020.

**Assignor (Conveying Party)**

Hedvig, Inc.

By: 

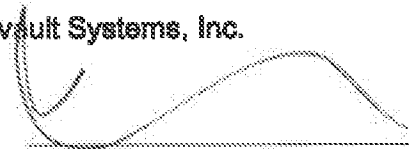
Name: WARREN H. MONDSHEIN

Title: VP & GENERAL COUNSEL

Date: 26 FEB. 2020

**Assignee (Receiving Party)**

Commvault Systems, Inc.

By: 

Name: Warren H. Mondshein

Title: VP & General Counsel

Date: 26 FEB. 2020

**Schedule A**

Title of Invention	Country	Status	Application No. Filing Date	Patent No. Issue Date
STORAGE SYSTEM FOR PROVISIONING AND STORING DATA TO A VIRTUAL DISK	US	Issued	14/322813 07/02/14	10067722 09/04/18
STORAGE SYSTEM WITH VIRTUAL DISKS	PCT	Expired	PCT/US2015/38687 06/30/15	N/A
METHOD FOR WRITING DATA TO A VIRTUAL DISK USING A CONTROLLER VIRTUAL MACHINE AND DIFFERENT STORAGE AND COMMUNICATION PROTOCOLS	US	Issued	14/322832 07/02/14	9875063 01/23/18
METHOD FOR WRITING DATA TO VIRTUAL DISK USING A CONTROLLER VIRTUAL MACHINE AND DIFFERENT STORAGE AND COMMUNICATION PROTOCOLS ON A SINGLE STORAGE PLATFORM	US	Issued	14/684086 04/10/15	9864530 01/09/18
DISK FAILURE RECOVERY FOR VIRTUAL DISK WITH POLICIES	US	Issued	14/322850 07/02/14	9424151 08/23/16
CREATING AND REVERTING TO A SNAPSHOT OF A VIRTUAL DISK	US	Issued	14/322855 07/02/14	9558085 01/31/17
CLONING A VIRTUAL DISK IN A STORAGE PLATFORM	US	Issued	14/322867 07/02/14	9798489 10/24/17
WRITING TO A STORAGE PLATFORM INCLUDING A PLURALITY OF STORAGE CLUSTERS	US	Issued	14/322868 07/02/14	9483205 11/01/16
TIME STAMP GENERATION FOR VIRTUAL DISKS	US	Issued	14/322871 07/02/14	9411534 08/09/16
DYNAMICALLY SPLITTING A RANGE OF A NODE IN A DISTRIBUTED HASH TABLE	US	Abandoned	14/723380 05/27/15	N/A
PERSISTENT RESERVATIONS FOR VIRTUAL DISK USING MULTIPLE TARGETS	US	Issued	15/163446 05/24/16	10248174 04/02/19
PERSISTENT RESERVATIONS FOR VIRTUAL DISK USING MULTIPLE TARGETS	US	Pending & Published	16/274014 02/12/19	N/A
GLOBAL DE-DUPLICATION OF VIRTUAL DISKS IN A STORAGE PLATFORM	US	Pending & Published	15/155838 05/16/16	N/A
DE-DUPLICATION OF CLIENT-SIDE DATA CACHE FOR VIRTUAL DISKS	US	Pending & Published	15/156015 05/16/16	N/A
SYNCHRONIZATION OF METADATA IN A DISTRIBUTED STORAGE SYSTEM	US	Pending	15/834921 12/07/17	N/A
IN-FLIGHT DATA ENCRYPTION/DECRYPTION FOR A DISTRIBUTED STORAGE PLATFORM	US	Pending	15/912374 03/05/18	N/A

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