

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT4302539

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MANOJ KUMAR VIJAYAN	03/03/2011
DEEPAK RAGHUNATH ATTARDE	03/03/2011
SRIKANT VISWANATHAN	03/03/2011
<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>	15449246
<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
<b>Address Line 1:</b>	2040 MAIN STREET
<b>Address Line 2:</b>	14TH FLOOR
<b>Address Line 4:</b>	IRVINE, CALIFORNIA 92614
<b>ATTORNEY DOCKET NUMBER:</b>	COMMV.075C3
<b>NAME OF SUBMITTER:</b>	DAMIEN HOWARD
<b>SIGNATURE:</b>	/Damien J. Howard/
<b>DATE SIGNED:</b>	03/03/2017
<b>Total Attachments: 4</b>	
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**ASSIGNMENT**

WHEREAS, Manoj Kumar Vijayan, a United States citizen, residing at Marlboro, NJ, Deepak Raghunath Attarde, an Indian citizen, residing at Marlboro, NJ, Srikant Viswanathan, an Indian citizen, residing at Eatontown, NJ, (individuals hereinafter "ASSIGNORS") invented certain new and useful improvements, technology, inventions, developments, ideas or discoveries related to CONTENT ALIGNED BLOCK-BASED DEDUPLICATION (collectively hereinafter referred to as the "Work") for which an application for Letters Patent in the United States has been prepared for filing (identified above) with the United States Patent and Trademark Office (hereinafter the "Application");

AND WHEREAS, CommVault Systems, Inc., a Corporation, with its principal place of business at 2 Crescent Place, P.O. Box 900, Oceanport, NJ 07757 (hereinafter the "ASSIGNEE"), desires to acquire the entire right, title, and interest in and to the Application and the Work:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby acknowledge that ASSIGNORS have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in the Application and the Work, including all provisional applications relating thereto (including but not limited to U.S. Provisional Application No. 61/388531, filed September 30, 2010) and all nonprovisional applications claiming priority thereto, including, all divisions, continuations, continuations-in-part, reissues, and reexaminations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals and reissues thereof; and ASSIGNORS hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all related Letters Patent to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.


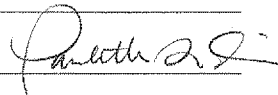
AND ASSIGNORS DO HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue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

AND ASSIGNORS DO HEREBY covenant and agree that ASSIGNORS will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNORS respecting the Work, and testify in any legal proceeding, assist in the preparation of any other provisional or non-provisional applications relating to the Application and the Work or any improvements made thereto, sign all lawful papers, execute and make all rightful oaths and/or declarations in connection with the Application and the Work including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Work in all countries.

This 3<sup>rd</sup> day of March, 2011.

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Manoj Kumar Vijayan

  
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Witnessed by:   
\_\_\_\_\_

This 3<sup>rd</sup> day of March, 2011.

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Deepak Raghunath Attarde

  
\_\_\_\_\_  
Witnessed by:   
\_\_\_\_\_

This \_\_\_ day of \_\_\_\_\_, 20\_\_.

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Srikant Viswanathan

\_\_\_\_\_  
Witnessed by: \_\_\_\_\_

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### ASSIGNMENT

WHEREAS, Manoj Kumar Vijayan, a United States citizen, residing at Marlboro, NJ, Deepak Raghunath Attarde, an Indian citizen, residing at Marlboro, NJ, Srikant Viswanathan, an Indian citizen, residing at Eatontown, NJ, (individuals hereinafter "ASSIGNORS") invented certain new and useful improvements, technology, inventions, developments, ideas or discoveries related to CONTENT ALIGNED BLOCK-BASED DEDUPLICATION (collectively hereinafter referred to as the "Work") for which an application for Letters Patent in the United States has been prepared for filing (identified above) with the United States Patent and Trademark Office (hereinafter the "Application");

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AND ASSIGNORS DO 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 said Letters Patent before or after issuance.

AND ASSIGNORS DO HEREBY covenant and agree that ASSIGNORS will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNORS respecting the Work, and testify in any legal proceeding, assist in the preparation of any other provisional or non-provisional applications relating to the Application and the Work or any improvements made thereto, sign all lawful papers, execute and make all rightful oaths and/or declarations in connection with the Application and the Work including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Work in all countries.

This \_\_\_ day of \_\_\_\_\_, 20\_\_.

Manoj Kumar Vijayan

Witnessed by: \_\_\_\_\_

This \_\_\_ day of \_\_\_\_\_, 20\_\_.

Deepak Raghunath Attarde

Witnessed by: \_\_\_\_\_

This 3<sup>rd</sup> day of March, 2011.

Srikant Viswanathan

Witnessed by:  \_\_\_\_\_

[KALYANI VENKATARAMAN]

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