

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DUNCAN LITTLEFIELD	04/11/2007
HO-CHI CHEN	04/11/2007
RAJIV KOTTOMTHARAYIL	04/11/2007
<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>	14734282
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(949)760-9502
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<b>ATTORNEY DOCKET NUMBER:</b>	COMMV.163C7
<b>NAME OF SUBMITTER:</b>	SEAN AMBROSIOUS
<b>SIGNATURE:</b>	/Sean Ambrosius/
<b>DATE SIGNED:</b>	02/23/2016
<b>Total Attachments: 4</b>	
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ASSIGNMENT

WHEREAS, I, Duncan LITTLEFIELD, declare that I am a citizen of the United States and reside at 3 Liberty Lane, Englishtown, NJ 07726; I, Ho-chi CHEN, declare that I am a citizen of the United States and reside at 3 Doral Drive, Marlboro, NJ 07746; and I, Rajiv KOTTOMTHARAYIL, declare that I am a citizen India and reside at 1508 Garden Drive, Apt. 2, Ocean, NJ 07712; have invented one or more inventions (hereinafter referred to as "said invention(s)") disclosed in an application for Letters Patent of the United States titled:

**SYSTEMS AND METHODS FOR FACILITATING STORAGE  
OPERATIONS USING NETWORK ATTACHED STORAGE DEVICES**

(hereinafter referred to as "said application"); said application having been filed on December 18, 2006 and assigned application serial number 11/640,730;

WHEREAS, CommVault Systems, Inc. (hereinafter together with its successors referred to as "the Assignee"), a Delaware corporation, having a place of business at 2 Crescent Place, Ocean, NJ 07757, is desirous of obtaining all right, title and interest in, to and under said invention(s) and said application; and

NOW, THEREFORE, for good and valuable considerations, the receipt and sufficiency of which we hereby acknowledge, we have sold, assigned, transferred and set over, and by these presents hereby sell, assign, transfer and set over to the Assignee all right, title and interest in, to and under said invention(s) and said application, including the right to apply for any Letters Patent of the United States of America and in any and all foreign countries on said invention(s), and any and all other applications for Letters Patent on said invention(s), in all countries, including all divisional, renewal, substitute, continuation, continuation-in-part and convention applications based in whole or in part upon said invention(s) or upon said application, and any and all Letters Patent which may issue thereon in the United States and foreign countries, and any and all reissues, reexaminations, extensions, renewals, divisions, continuations or continuations-in-part of Letters Patent or any patent that may emerge from an Interference proceeding granted for said invention(s) or upon said applications, to the full term or terms for which said Letters Patent may be issued, and every priority right that is or may be predicated upon or arise from said invention(s), said application and said Letters Patent, the same to be held and enjoyed by the Assignee for its own use and benefit fully and entirely as if the same would have been held and enjoyed had this Assignment not been made. We hereby authorize the Assignee to file patent applications in any and all countries on any or all of said invention(s) in our names, or in its name, or otherwise as the Assignee or successor in interest may deem advisable, under the International Convention or otherwise.

We hereby authorize the Commissioner of Patents and Trademarks of the United States, and any official of any other country empowered to issue patents, to record this Assignment, and to issue or transfer all said Letters Patent on said invention(s) to the Assignee as owner of all right, title and interest therein, or otherwise as the Assignee may direct, in accordance with the terms of this Assignment.

We hereby represent and warrant that we have the full right to convey the entire right and interest herein assigned, that there are no rights or interests outstanding inconsistent with the rights and interests granted herein, and that we will not execute any instrument or grant or transfer any rights or interests inconsistent with the rights and interests granted herein.

We hereby covenant and agree that we will, upon request of the Assignee, communicate to the Assignee any facts known to us relating to said invention(s) and the history thereof, testify in any legal proceeding, execute all lawful papers including without limitation all divisional, continuing and reissue applications and all rightful oaths and declarations, and generally do all further acts which may be deemed necessary by the Assignee to obtain and enforce proper patent protection for said invention(s) in all countries.

IN TESTIMONY WHEREOF, we have executed this document on the date indicated below.

Date: 4/11/07

Duncan A Littlefield  
Duncan LITTLEFIELD

STATE OF New Jersey  
) SS.  
COUNTY OF Monmouth

On this 11<sup>th</sup> day of April, 2007, before me personally came Duncan Littlefield, to me known to be the individual described in and who executed the foregoing instrument and acknowledged execution of the same.

Tara J Hoffman  
Notary Public

TARA J. HOFFMAN  
Notary Public of New Jersey  
I.D.# 2277495  
Commission Expires 7/27/2011

IN TESTIMONY WHEREOF, we have executed this document on the date indicated below.

Date: 04/11/2007

Ho-chi CHEN  
Ho-chi CHEN

STATE OF New Jersey)  
) SS.  
COUNTY OF Monmouth

On this 11<sup>th</sup> day of April, 2007, before me personally came Ho-chi Chen, to me known to be the individual described in and who executed the foregoing instrument and acknowledged execution of the same.

Tara J. Hoffman  
Notary Public

TARA J. HOFFMAN  
Notary Public of New Jersey  
I.D.# 2277495  
Commission Expires 7/27/2011

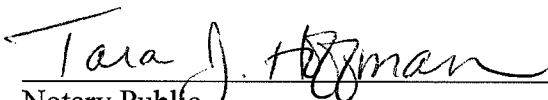
IN TESTIMONY WHEREOF, we have executed this document on the date indicated below.

Date: 04/11/07

  
Rajiv KOTTOMTHARAYIL

STATE OF New Jersey)  
) SS.  
COUNTY OF Mammoth

On this 11<sup>th</sup> day of April, 2007, before me personally came Rajiv Kottomtharayil, to me known to be the individual described in and who executed the foregoing instrument and acknowledged execution of the same.

  
Notary Public

TARA J. HOFFMAN  
Notary Public of New Jersey  
I.D.# 2277495  
Commission Expires 7/27/2011