# 502620311 01/03/2014

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2666920

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date	
MANOJ VIJAYAN RETNAMMA	04/06/2005	
ARUN AMARENDRAN	04/07/2005	
RAJIV KOTTOMTHARAYIL	04/07/2005	
ARUN PRASAD	06/24/2005	

## **RECEIVING PARTY DATA**

Name:	COMMVAULT SYSTEMS, INC.	
Street Address:	2 CRESCENT PLACE	
Internal Address:	LEGAL DEPT.	
City:	OCEANPORT	
State/Country:	NEW JERSEY	
Postal Code:	07757	

#### PROPERTY NUMBERS Total: 2

Property Type	Number	
Application Number:	11954176	
Application Number:	13410770	

## **CORRESPONDENCE DATA**

502620311

Fax Number:

Phone: 732 272 9299

Email: USPTOEFILING@COMMVAULT.COM

Correspondence will be sent via US Mail when the email attempt is unsuccessful.

Correspondent Name: COMMVAULT SYSTEMS, INC.

Address Line 1: 2 CRESCENT PLACE

Address Line 2: LEGAL DEPT.

Address Line 4: OCEANPORT, NEW JERSEY 07757

NAME OF SUBMITTER: JOSEPHINE A. PALTIN

REEL: 031888 FRAME: 0831

**PATENT** 

Signature:	/Josephine A. Paltin/
Date:	01/03/2014
Total Attachments: 7 source=10-990357 - Assignment - COMMV	.001A - 100.46.US1.110#page2.tif .001A - 100.46.US1.110#page3.tif .001A - 100.46.US1.110#page4.tif .001A - 100.46.US1.110#page5.tif .001A - 100.46.US1.110#page6.tif

PATENT REEL: 031888 FRAME: 0832

#### ASSIGNMENT

WHEREAS, we, Manoj VIJAYAN RETNAMMA, a citizen of India, residing at 2140 Aldrin Road Apt. 2B, Ocean, New Jersey 07712, Arun AMARENDRAN, a citizen of India, residing at 2406 E Block, Jothy Illam, SahakaraNagar, Bellary Road, Bangalore, India 560092, and Rajiv KOTTOMTHARAYIL, a citizen of India, residing at 1508 Garden Drive Apt. 2, Ocean, New Jersey 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 SYSTEM AND METHOD FOR COMBINING DATA STREAMS IN PIPELINED STORAGE OPERATIONS IN A STORAGE NETWORK (hereinafter referred to as "said application"), said application having been filed on November 15, 2004 and assigned application Serial No. 10/990,357.

WHEREAS, CommVault Systems, Inc. (hereinafter together with its successors and assigns referred to as "the Assignee"), a New Jersey corporation, having a place of business at 2 Crescent Place, Oceanport, New Jersey 07757-0090 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 whatsoever 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, extensions, renewals, divisions, continuations or continuations-in-part of Letters Patent 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 by us 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 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.

Page 1 of 3

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: 64/66/05

(Signature)

Manoj VIJAYAN RETNAMMA

STATE OF New Jersey

COUNTY OF Monmouth

On this day of April, 2005, before me came Manoj VIJAYAN RETNAMMA, to me known and known to me to be the individual described in, and who executed the foregoing instrument, and he/she has acknowledged to me that he/she has executed the same.

Notary Public

LORI E. GRAHAM

Notary Public of New Jersey

My Commission Expires November 28, 2005

Page 2 of 3

*	Atty Docket No. 4982/46
Date 14/07/2005	ATA
Date! 4/07/2005 (Signature)	Arun AMARENDRAN
, -	B. Gatyanes
STATE OF HNORRA PRODESIA	Rea Cross
STATE OF ANDHRA PRADESH ) ss.: COUNTY OF INDIA )	Etz. O
On this 14 day of July, 2005, before me	came Arun AMARENDRAN, to me known and
	in, and who executed the foregoing instrument, and
he/she has acknowledged to me that he/she had TTESTED	has executed the same.
BSONR	
MOTARY & ADVOCATE SECUNDERABAD - 500 003=	
Date:	
(Signature)	Rajiv KOTTOMTHARAYIL
STATE OF	
COUNTY OF)	
	came Rajiv KOTTOMTHARAYIL, to me known and
known to me to be the individual described he/she has acknowledged to me that he/she l	in, and who executed the foregoing instrument, and has executed the same.

Page 3 of 3

BRMFS1 548857v2

Notary Public

Date:	
(Signature)	Arun AMARENDRAN
STATE OF	) ss.:
COUNTY OF	. )
	fore me came Arun AMARENDRAN, to me known and escribed in, and who executed the foregoing instrument, and the/she has executed the same.
Notary Public	
Date: 04 07/2005 (Signature)	Rajiv KOTTOMTHARAYIL
STATE OF New Jersey COUNTY OF Monmouth	) ss.:
On thisday of April_, 2005, bet known to me to be the individual de he/she has acknowledged to me that	fore me came Rajiv KOTTOMTHARAYIL, to me known and escribed in, and who executed the foregoing instrument, and the/she has executed the same.
Lon E Gralan	
Notary Public	

LORI E. GRAHAM
Notary Public of New Jersey
My Commission Expires November 28, 2005

Page 3 of 3

#### ASSIGNMENT

WHEREAS, we, Manoj KUMAR, a citizen of India, residing at 2140 Aldrin Road Apt. 2B, Ocean, New Jersey 07712, Arun PRASAD, a citizen of India, residing at 2406 E Block, Jothy Illam, SahakaraNagar, Bellary Road, Bangalore, India 560092, and Rajiv KOTTOMTHARAYIL, a citizen of India, residing at 1508 Garden Drive Apt. 2, Ocean, New Jersey 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 SYSTEM AND METHOD FOR COMBINING DATA STREAMS IN PIPELINED STORAGE OPERATIONS IN A STORAGE NETWORK (hereinafter referred to as "said application"), said application having been filed on November 15, 2004 and assigned application Serial No. 10/990,357.

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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 whatsoever 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, extensions, renewals, divisions, continuations or continuations-in-part of Letters Patent 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 by us 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 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.

Page 1 of 3

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:(Signature)	Manoj VIJAYAN RETNAMMA
STATE OF	
COUNTY OF	) ss.: )
and known to me to be the indivi	before me came Manoj VIJAYAN RETNAMMA, to me known idual described in, and who executed the foregoing instrument, me that he/she has executed the same.
Notary Public	<del></del>

Page 2 of 3

Date:	24042005 (Signature)	Arun PRASAD	Ally Docket No	. 498 <i>2</i> /46 
	TE OF <u>AND HRA PRACES</u> H) ) ss.: NTY OF <u>INDI</u> A )			
to be t ackno	Public  Signature)  Discreptible  Public  Signature  Discreptible  Signature  Discreptible  Signature  Discreptible  Discreptibl	executed the foregoing instraction of the second se	rument, and he/sh	
STAT	E OF) ss.:	•		
COUI	NTY OF)			
knowr	day of, 200_, before me on to me to be the individual described to has acknowledged to me that he/she l	in, and who executed the f	ARAYIL, to me k foregoing instrum	nown and ent, and

Page 3 of 3

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Notary Public

PATENT REEL: 031888 FRAME: 0839

RECORDED: 01/03/2014