PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Anand Vibhor	09/13/2013
Bhavyan Bharatkumar Mehta	09/16/2013
Amey Vijaykumar Karandikar	09/11/2013
Parag Gokhale	09/11/2013

RECEIVING PARTY DATA

Name:	CommVault Systems, Inc.	
Street Address:	2 Crescent Place	
Internal Address:	P.O. Box 900	
City:	Oceanport	
State/Country:	NEW JERSEY	
Postal Code:	07757	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13968091

CORRESPONDENCE DATA

Fax Number: 9497609502

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

Phone: 949-760-0404
Email: efiling@knobbe.com

Correspondent Name: Knobbe Martens Olson & Bear

Address Line 1: 2040 Main Street Address Line 2: 14th Floor

Address Line 4: Irvine, CALIFORNIA 92614

ATTORNEY DOCKET NUMBER:	COMMV.173A3
NAME OF SUBMITTER:	Scott Cromar
	PATENT

502505608 REEL: 031260 FRAME: 0395

IOP \$40,00 13968091

Signature:	/Scott Cromar/
Date:	09/23/2013
Total Attachments: 4 source=173A3_Assignment#page1.tif source=173A3_Assignment#page2.tif source=173A3_Assignment#page3.tif source=173A3_Assignment#page4.tif	

PATENT REEL: 031260 FRAME: 0396 Application No.: 13/968,091 Docket Number: COMMV.173A3

Filing Date: August 15, 2013 Page 1 of 2

ASSIGNMENT

WHEREAS, Anand Vibhor, an Indian citizen, residing at Eatontown, New Jersey, Bhavyan Bharatkumar Mehta, an Indian citizen, residing at Edison, New Jersey, Arney Vijaykumar Karandikar, an Indian citizen, residing at Long Branch, New Jersey, and Parag Gokhale, a United States citizen, residing at Marlboro, New Jersey, (individuals hereinafter "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas, ornamental design or discoveries related to LOCATION-BASED DATA SYNCHRONIZATION MANAGEMENT (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 Delaware 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, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred and set over, and by these presents does 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, 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 ASSIGNOR hereby authorizes and requests 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 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 said Letters Patent before or after issuance.

AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR 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.

PATENT REEL: 031260 FRAME: 0397

Application No.: 13 Filing Date: Augus		Doci	Docket Number: COMMV.173A3 Page 2 of 2	
•	rentor: Anand Vibhor			
Signature:	Attorney's Signature for	Date:	9/13/20/3	
	Attorney's Signature	Thine of Galle	Date: 9//3//3	
	Attorney's Name: JØSEPHIN of New Jersey, authorized pu person(s) who executed the execution of same.	rsuant to N.J.S.A. 41:2	-1, having identified the	
Legal Name of inv	entor: Bhavyan Bharatkuma			
Signature:	Rus.	Date:	9/16/2013	
	Attorney's Signature perphine of Palli Date: 9/16/13			
	Attorney's Name: JOSEPHIN of New Jersey, authorized pu person(s) who executed the execution of same.	IE A. PALTIN, an Attor rsuant to N.J.S.A. 41:2	ney-at-Law of the State -1, having identified the	
Legal Name of inv	entor: Amey Vijaykumar Kar	andikar		
Signature:	Nearendles	Date:	09/11/2013	
	Attorney's Signature	Thine I, Galle	2 - Date: <i>9/11/13</i>	
	Attorney's Name: 90SEPHINE 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.			
Legal Name of inv	entor: Parag Gokhale			
Signature:		Date:		
	Attorney's Signature:		Date:	
	Attorney's Name: JOSEPHIN of New Jersey, authorized pu person(s) who executed the	rsuant to N.J.S.A. 41:2	1, having identified the	

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execution of same.

Application No.: 13/968,091 Docket Number: COMMV.173A3
Filing Date: August 15, 2013 Page 1 of 2

ASSIGNMENT

WHEREAS, Anand Vibhor, an Indian citizen, residing at Eatontown, New Jersey, Bhavyan Bharatkumar Mehta, an Indian citizen, residing at Edison, New Jersey, Amey Vijaykumar Karandikar, an Indian citizen, residing at Long Branch, New Jersey, and Parag Gokhale, a United States citizen, residing at Marlboro, New Jersey, (individuals hereinafter "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas, ornamental design or discoveries related to LOCATION-BASED DATA SYNCHRONIZATION MANAGEMENT (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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NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred and set over, and by these presents does 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, 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 ASSIGNOR hereby authorizes and requests 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 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 said Letters Patent before or after issuance.

AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR 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.

PATENT REEL: 031260 FRAME: 0399

Docket Number: COMMV.173A3 Application No.: 13/968.091 Filing Date: August 15, 2013 Page 2 of 2 Legal Name of inventor: Anand Vibhor Signature: Date: Date: 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. Legal Name of inventor: Bhavyan Bharatkumar Mehta Date: Signature: Attorney's Signature: _____ Date:_____ 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. Legal Name of Inventor: Amey Vijaykumar Karandikar Signature: Date: Attorney's Signature: _____ Date: ____ 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. Legal Name of inventor: Parag Gokhale 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

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execution of same.