505893510 01/31/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5940211

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
SUNIL KUMAR	07/03/2017	

RECEIVING PARTY DATA

Name:	EMC IP HOLDING COMPANY LLC	
Street Address:	176 SOUTH STREET	
City:	HOPKINTON	
State/Country:	MASSACHUSETTS	
Postal Code:	01748	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16778311

CORRESPONDENCE DATA

Fax Number: (801)328-1707

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.

Phone: 801-533-9800

Email: Docketing@WNLAW.COM
Correspondent Name: WORKMAN NYDEGGER/EMC
Address Line 1: 60 EAST SOUTH TEMPLE

Address Line 2: SUITE 1000

Address Line 4: SALT LAKE CITY, UTAH 84111

ATTORNEY DOCKET NUMBER:	ET NUMBER: 16192.199.1	
NAME OF SUBMITTER: PETER F. MALEN, JR.		
SIGNATURE: /Peter F. Malen, Jr./		
DATE SIGNED: 01/31/2020		

Total Attachments: 3

source=16192-199-1_2020-01-31_Assignment#page1.tif source=16192-199-1_2020-01-31_Assignment#page2.tif source=16192-199-1_2020-01-31_Assignment#page3.tif

PATENT 505893510 REEL: 051683 FRAME: 0486

PATENT Assignment EMC Docket No.: 108438.01 Atty Docket No.: 16192.199

ASSIGNMENT

WHEREAS, I/we, Sunil Kumar have invented an invention comprising and/or embodying certain improvements or discoveries or both as described in an application for Letters Patent of the United States entitled APPLICATION AWARE COPY DATA MANAGEMENT OF APPS DEPLOYED IN PUBLIC CLOUD ENVIRONMENTS, the specification of which:

rı	was filed on		as U.S. App	nlication	s Mo		
LJ	was incu on		as O.o. App	phoano	1110.		,
1	was patented und	ler II.S. Patent No)	· c	m		

WHEREAS, EMC IP Holding Company LLC (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of Delaware and having a usual place of business at 176 South Street, Hopkinton, Massachusetts 01748 desires to acquire an interest therein in accordance with agreements duly entered into with me/us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, I/we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by me/us had this assignment and sale not been made; I/we hereby convey to ASSIGNEE all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. I/We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, I/we hereby further agree for myself/ourselves and my/our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements

PATENT Assignment EMC Docket No.: 108438.01 Atty Docket No.: 16192.199

and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, I/we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, I/we have hereunto set my/our hands and affixed my/our seals as set forth below:

PATENT Assignment EMC Docket No.: 108438.01 Atty Docket No.: 16192.199

Date: 03-july-2017	Sal Kun
	Inventor's Signature
Print full name of first or sole inventor:	Sunil Kumar
Residence:	Kadugodi, India
Citizenship:	India
Mailing Address:	D-11, Skylark Arcadia, Kodigehalli Main Road,
	Sadarmangala, Kadugodi, India 560067
I PARAMESWARAW SUMBARA	(name) whose residential address is
B-002, BRIGADE RESIDENC	M (name) whose residential address is Су, U77AZAHALLI MAIW ZOAD, BANGALOLO S
was personally present and did see	114 KUMPL (name of person signing the
assignment) who is personally known to me,	execute the above assignment.
Silaamerward (5	signature of first witness)
Signed at BANGALIKE INDIA	(location of witness signature)
Signed at BANGALLE INDIA on this day 311 Outy of 2	2017: (date of signature)
1 SHASHBAKA NAVADA LIV	(name) whose residential address is
+2,14C234, HOSKURCHACLI, BAN	VASHANKARS 3 nd STACKE, BANCEACOKE-85
was personally present and did see $\underline{\underline{SoNJC}}$	KUMAR (name of person signing the
assignment) who is personally known to me,	, execute the above assignment.
Junganana Novada U.V. (1	signature of second witness)
Signed at Bennauer Sama	
	2017 . (date of signature)
The state of the s	

-3-