#### 506087123 06/02/2020

#### PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
SUNIL YADAV	05/22/2020
SHELESH CHOPRA	05/22/2020
TUSHAR DETHE	05/22/2020
JIGAR PREMAJIBHAI BHANUSHALI	05/22/2020
SAPNA CHAUHAN	05/22/2020
DEEPENDRA PRATAP SINGH	05/22/2020
HIMANSHU ARORA	05/22/2020
ANJANA RAO	05/22/2020
AMARENDRA BEHERA	05/22/2020
RAVI V. CHITLOOR	05/22/2020

#### **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:	16886456

#### **CORRESPONDENCE DATA**

**Fax Number:** 

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ATTORNEY DOCKET NUMBER: 170360-057800US

NAME OF SUBMITTER:	COURTNEY GRAVES	
SIGNATURE:	/Aly Z. Dossa/	
DATE SIGNED:	06/01/2020	
Total Attachments: 12		
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#### ASSIGNMENT

WHEREAS, we, Sunil Yadav, Shelesh Chopra, Tushar Dethe, Jigar Premajibhai Bhanushali, Sapna Chauhan, Deependra Pratap Singh, Himanshu Arora, Anjana Rao, Amarendra Behera and Ravi V. Chitloor 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 METHOD AND SYSTEM FOR INDEXING FRAGMENTED USER DATA OBJECTS, the specification of which:

[X]	Is being executed on even date herewith and is about to be filed in the Unite States Patent Office;		
[]	was filed on	as U.S. Application No;	
[]	was patented under U.S.	Patent Noon	

**WHEREAS**, EMC IP Holding Company LLC (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Commonwealth of Massachusetts 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 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, 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 us had this assignment and sale not been made; 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. 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**, we hereby further agree for ourselves and 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 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**, 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**, we have hereunto set our hands and affixed our seals as set forth below:

Date: 05/22/2020		
	Inventor's Signature	
Print full name of first inventor:	Sunil Yadav	

Residence: Bangalore, India
Citizenship: India
Mailing Address: c/o EMC IP Holding Company LLC

176 South Street Hopkinton, MA 01748

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22nd May 2020 /SHELESH CHOPRA/

Inventor's Signature

Print full name of second inventor: Shelesh Chopra

Residence: Bangalore, India

Citizenship: India

Mailing Address: c/o EMC IP Holding Company LLC

176 South Street

Hopkinton, MA 01748

Date: 05/22/2020	/Tushar Dethe/
	Inventor's Signature
Print full name of third inventor:	Tushar Dethe
Residence:	Bangalore, India
Citizenship:	India
Mailing Address:	c/o EMC IP Holding Company LLC 176 South Street Hopkinton, MA 01748

Date: 05/22/2020	/Jigar Bhanushali/
	Inventor's Signature
Print full name of fourth inventor:	Jigar Premajibhai Bhanushali
Residence:	Valsad, Gujarat
Citizenship:	India
Mailing Address:	c/o EMC IP Holding Company LLC 176 South Street Hopkinton, MA 01748

Date: 05/22/2020	/Sapna Chauhan/
	Inventor's Signature
Print full name of fifth inventor:	Sapna Chauhan
Residence:	Bangalore, India
Citizenship:	India
Mailing Address:	c/o EMC IP Holding Company LLC 176 South Street Hopkinton, MA 01748

Date: 05/22/2020	/Deependra Singh/
	Inventor's Signature
Print full name of sixth inventor:	Deependra Pratap Singh
Residence:	Kanpur, Uttar Pradesh
Citizenship:	India
Mailing Address:	c/o EMC IP Holding Company LLC 176 South Street Hopkinton, MA 01748

Date: 5/22/2020	/Himanshu Arora/ Inventor's Signature
Print full name of seventh inventor:	Himanshu Arora
Residence:	Bangalore, India
Citizenship:	India
Mailing Address:	c/o EMC IP Holding Company LLC 176 South Street Hopkinton, MA 01748

Date:	
5/22/2020	/Anjana Rao/
	Inventor's Signature
Print full name of eighth inventor:	Anjana Rao
Residence:	Mangalore, India
Citizenship:	India
Mailing Address:	c/o EMC IP Holding Company LLC 176 South Street Hopkinton, MA 01748

Date: 05/22/2020	/Amarendra Behera/
	Inventor's Signature
Print full name of ninth inventor:	Amarendra Behera
Residence:	Bangalore, India
Citizenship:	India
Mailing Address:	c/o EMC IP Holding Company LLC 176 South Street Hopkinton, MA 01748

Date: 05/26/2020	/Ravi Chitloor/	
	Inventor's Signature	
Print full name of tenth inventor:	Ravi V. Chitloor	
Residence:	Bengaluru, India	
Citizenship:	U.S.	
Mailing Address:	c/o EMC IP Holding Company LLC 176 South Street Hopkinton, MA 01748	

PATENT REEL: 052815 FRAME: 0642

**RECORDED: 06/02/2020**