PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SHELESH CHOPRA	04/25/2019
SUNIL YADAV	04/29/2019
JAYASHREE B. RADHA	05/01/2019
AADITYA RAKESH BANSAL	04/29/2019
MANISH SHARMA	05/01/2019
SNEHA YADAV	05/13/2019
AMIT JAIN	04/30/2019

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:	16412402

CORRESPONDENCE DATA

Fax Number:

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.

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Correspondent Name: PAULA HARDILEK

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ATTORNEY DOCKET NUMBER:	170360-038000US
NAME OF SUBMITTER:	ALY Z. DOSSA
SIGNATURE:	/Aly Z. Dossa/
DATE SIGNED:	05/15/2019
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Total Attachments: 9

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ASSIGNMENT

WHEREAS, we, Shelesh Chopra, Sunil Yadav, Jayashree B. Radha, Aaditya Rakesh Bansal, Manish Sharma, Sneha Yadav, and Amit Jain, 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 <u>SYSTEM AND METHOD FOR SCALABLE BACKUP SEARCH</u> the specification of which:

[X]	is being executed on even date herewith and is about to be filed in the United 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:

04/25/2019

Inventor's Signature

Print full name of first inventor: Shelesh CHOPRA

Residence: Bangalore, India

Citizenship: India

Mailing Address: c/o EMC IP Holding Company LLC

176 South Street

Hopkinton, MA 01748

Date: 29th April 2019

Inventor's Signature

Print full name of second inventor: Sunil YADAV

Residence: Bangalore, India

Citizenship: India

Mailing Address: c/o EMC IP Holding Company LLC

176 South Street

Hopkinton, MA 01748

Date:

05/01/2019

8. jayashreeradha

Inventor's Signature

Print full name of third inventor: Jayashree B. RADHA

Residence: Bangalore, India

Citizenship: India

Mailing Address: c/o EMC IP Holding Company LLC

176 South Street

Hopkinton, MA 01748

Date: 29 April 2019 Inventor's Signature

Print full name of fourth inventor: Aaditya Rakesh BANSAL

Residence: Bangalore, India

Citizenship: India

Mailing Address: c/o EMC IP Holding Company LLC

176 South Street

Hopkinton, MA 01748

Date: 05/01/2019	Manish
	Inventor's Signature
Print full name of fifth inventor:	Manish SHARMA
Residence:	Bangalore, India
Citizenship:	India
Mailing Address:	c/o EMC IP Holding Company LLC 176 South Street Hopkinton, MA 01748

Date: 05/13/2019	solls
	Inventor's Signature
Print full name of sixth inventor:	Sneha YADAV
Residence:	Bangalore, India
Citizenship:	India
Mailing Address:	c/o EMC IP Holding Company LLC 176 South Street Hopkinton, MA 01748

Date: 04/30/2019	All Property of the Control of the C
	Inventor's Signature
Print full name of seventh inventor:	Amit JAIN
Residence:	Bangalore, India
Citizenship:	India
Mailing Address:	c/o EMC IP Holding Company LLC 176 South Street Hopkinton, MA 01748

PATENT REEL: 049190 FRAME: 0122

RECORDED: 05/15/2019