

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
NITIN MADAN	05/10/2021
KEDAR GODBOLE	05/11/2021
SRIKANTH VISWANATHAN	05/11/2021
BHIMSEN BHANJOIS	05/11/2021
KALYAN GUNDA	05/11/2021
KALIDAS BALAKRISHNAN	05/11/2021
VIVEK NAMBIAR	05/11/2021
CHETAN RISBUD	05/11/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	EMC IP HOLDING COMPANY LLC
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<b>City:</b>	HOPKINTON
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	01748
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16179220
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	112431.01 (DL1.241U)
<b>NAME OF SUBMITTER:</b>	GEOFFREY T. STANIFORD
<b>SIGNATURE:</b>	/Geoffrey T. Staniford/

**DATE SIGNED:**

05/11/2021

**Total Attachments: 8**

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## ASSIGNMENT

**WHEREAS**, we, Nitin Madan, Kedar Godbole, Srikant Viswanathan, Bhimsen Bhanjois, Kalyan Gunda, Kalidas Balakrishnan, Vivek Nambiar and Chetan Risbud 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 INSTANT REPLAY OF A FILE TO A CLOUD TIER ON A DEDUPLICATION FILE SYSTEM, the specification of which:

is being executed on even date herewith and is about to be filed in the United States Patent Office;

was filed on Nov. 2, 2018 as U.S. Application No. 16/179,220;

was patented under U.S. Patent No. \_\_\_\_\_ on \_\_\_\_\_.

**WHEREAS**, EMC IP Holding Company LLC (hereinafter "ASSIGNEE"), a limited liability company organized and existing under the laws of the State 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 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: 5/10/2021

/Nitin Madan/

\_\_\_\_\_  
Inventor's Signature

Print full name of first inventor:

**Nitin Madan**

Residence:

101 Sidhi Vinayak Apt.  
Plot #65, Sector 55  
Gurgaon, Haryana, India

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India

Mailing Address:

Same as above

Date: 11-May-2021

/Kedar Godbole/

\_\_\_\_\_  
Inventor's Signature

Print full name of second inventor:

**Kedar Godbole**

Residence:

A702, Laxmi Angari  
Opp. Vasant  
Pune 411027, India

Date: 11<sup>th</sup> May 2021

/Srikant Viswanathan/

\_\_\_\_\_  
Inventor's Signature

Print full name of third inventor:

**Srikant Viswanathan**

Residence:

A-701, Prime Panache  
Opposite Primrose Mall  
Baner Road, Baner  
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India

Mailing Address:

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Date:

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Inventor's Signature

Print full name of fourth inventor:

**Bhimsen Bhanjois**

Residence:

40 Japala Ct.  
Fremont, CA 94539-6607

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US

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Print full name of third inventor:

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Date: May 11, 2021

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/Bhimsen Bhanjois/

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Inventor's Signature

Print full name of fourth inventor:

**Bhimsen Bhanjois**

Residence:

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Mailing Address:

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Date: 11<sup>th</sup> May 2021

/Kalyan C Gunda/

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Inventor's Signature

Print full name of fifth inventor:

**Kalyan C Gunda**

Residence:

Adarsh Palm Retreat Lotus 703  
T6 Outer Ring Rd., Bellandur  
Bangalore 560103, India

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India

Mailing Address:

Same as above

Date:

\_\_\_\_\_  
Inventor's Signature

Print full name of sixth inventor:

**Kalidas Balakrishnan**

Residence:

5197 Tomahawk Drive  
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US

Mailing Address:

Same as above



Date:

\_\_\_\_\_

\_\_\_\_\_  
Inventor's Signature

Print full name of fifth inventor:

**Kalyan Gunda**

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Same as above

Date: 05/11/2021

\_\_\_\_\_

/Kalidas Balakrishnan/

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Inventor's Signature

Print full name of sixth inventor:

**Kalidas Balakrishnan**

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5197 Tomahawk Drive  
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Mailing Address:

Same as above

Date: 11<sup>th</sup> May 2021

/Vivek Nambiar/

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Inventor's Signature

Print full name of seventh inventor:

**Vivek Nambiar**

Residence:

21125, Prestige Shantiniketan  
Whitefield Main Road  
Bangalore 560048, India

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Mailing Address:

Same as above

Date: 11 May 2021

/Chetan Rishud /

\_\_\_\_\_  
Inventor's Signature

Print full name of eighth inventor:

**Chetan Rishud**

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82, Sukakarta Apartments  
Near Moraya Gosavi Mandir  
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