PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
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| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------|----------------|
| KALYAN C. GUNDA | 10/27/2021 |
| JAGANNATHDAS RATH | 10/27/2021 |

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 17452359 |

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: mdunaway@wnlaw.com
Correspondent Name: WORKMAN NYDEGGER
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Address Line 4: SALT LAKE CITY, UTAH 84111

| ATTORNEY DOCKET NUMBER: | 16192.523 | |
|-------------------------|-----------------------|--|
| NAME OF SUBMITTER: | PETER F. MALEN, JR. | |
| SIGNATURE: | /Peter F. Malen, Jr./ | |
| DATE SIGNED: | 03/16/2022 | |

Total Attachments: 4

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PATENT 507180680 REEL: 059282 FRAME: 0654

ASSIGNMENT

WHEREAS, I/we, Kalyan C. Gunda and Jagannathdas Rath 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 TO EFFICIENTLY TRANSFER SUPPORT AND SYSTEM LOGS FROM AIR-GAPPED VAULT SYSTEMS TO REPLICATION DATA SOURCES BY RE-UTILIZING THE EXISTING REPLICATION STREAMS, the specification of which:

| | is being executed on even date herewith and is about to be filed in the United States Patent Office; |
|----------|--|
| [x] | was filed on October 26, 2021 as U.S. Application No. 17/452,359 |
| 1 | was patented under U.S. Patent Noon |

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 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:

| Date: 27th October 2021 | G Kalza, Christy |
|--|--------------------------------------|
| | Inventor's Signature |
| Print full name of first or sole inventor: | Kalyan C. Gunda |
| Residence: | Bangalore, India |
| Citizenship: | US |
| Mailing Address: | Adarsh Palm Retreat Lotus 703 |
| | T6 Outer Ring Rd. Bellandur |
| | Bangalore, India 560103 |
| | |
| Date: | |
| | Inventor's Signature |
| Print full name of second inventor: | Jagannathdas Rath |
| Residence: | Bengaluru, India |
| Citizenship: | IN |
| Mailing Address: | #A308, S L S Sunny Gardens |
| | 5th Main, WASA Layout, Doddanekkundi |
| | Bengaluru, Karnataka IN 560037 |

ASSIGNMENT

WHEREAS, I/we, Kalyan C. Gunda and Jagannathdas Rath 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 TO EFFICIENTLY TRANSFER SUPPORT AND SYSTEM LOGS FROM AIR-GAPPED VAULT SYSTEMS TO REPLICATION DATA SOURCES BY RE-UTILIZING THE EXISTING REPLICATION STREAMS, the specification of which:

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

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

| Date: | |
|--|--------------------------------------|
| | Inventor's Signature |
| Print full name of first or sole inventor: | Kalyan C. Gunda |
| Residence: | Bangalore, India |
| Citizenship: | US |
| Mailing Address: | Adarsh Palm Retreat Lotus 703 |
| | T6 Outer Ring Rd. Bellandur |
| | Bangalore, India 560103 |
| Date: 27th October 2021 | Josephallae Rah Inventor's Signature |
| Print full name of second inventor: | Jagannathdas Rath |
| Residence: | Bengaluru, India |
| Citizenship: | IN |
| Mailing Address: | #A308, S L S Sunny Gardens |
| | 5th Main, WASA Layout, Doddanekkundi |
| | Bengaluru Karnataka IN 560037 |

RECORDED: 03/16/2022