

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT3755117

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	PHILIPPE ARMANGAU	02/24/2016
RECEIVING PARTY DATA		
Name:	EMC CORPORATION	
Street Address:	176 SOUTH STREET	
City:	HOPKINTON	
State/Country:	MASSACHUSETTS	
Postal Code:	01748	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	14985706
CORRESPONDENCE DATA		
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<i>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.</i>		
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Address Line 2:	SUITE 1001	
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ATTORNEY DOCKET NUMBER:	EMS-617US	
NAME OF SUBMITTER:	ANNE E. SATURNELLI	
SIGNATURE:	/Anne E. Saturnelli/	
DATE SIGNED:	02/25/2016	
Total Attachments: 6		
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ASSIGNMENT

WHEREAS, we, Philippe ARMANGAU, Ahsan RASHID, Kumari Bijayalaxmi NANDA and Rohit K. CHAWLA, 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 TECHNIQUES FOR FORMING LARGE CONTIGUOUS STORAGE AREAS, 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 December 31, 2015 as U.S. Application No. 14/985,706;
- ☐ was patented under U.S. Patent No. _____ on _____.

WHEREAS, EMC Corporation (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.

AND, we hereby authorize attorneys of Muirhead and Saturnelli, LLC to insert here in parenthesis () the application number and filing date of said Application (or foreign counterpart application) to facilitate the recording or other official processing of this Assignment.

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

Date: 2/24/16



Inventor's Signature

Print full name of first inventor:
Residence:

Philippe ARMANGAU

51 Seminole Road
Acton, MA 01720

Citizenship:

U.S.A.

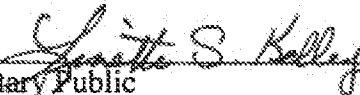
Mailing Address:

Same

COMMONWEALTH OF MASSACHUSETTS
COUNTY OF Middlesex

On this 24th day of February 2016, then personally appeared before me the above-named **Philippe ARMANGAU** known to me through satisfactory evidence of identification ☒ employee identification card; ☐ driver's license; ☐ (other)

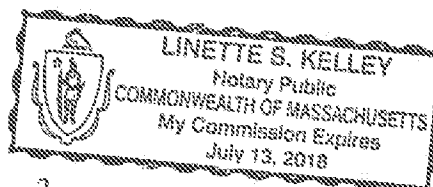
_____ to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.



Notary Public

Print Name: Linette S. Kelley

My Commission expires: 07/13/2018



Date: _____

Inventor's Signature

Print full name of second inventor:

Ahsan RASHID

Residence:

1207 Yosko Drive

Edison, NJ 08817

Citizenship:

Pakistan

Mailing Address:

Same

STATE OF NEW JERSEY

COUNTY OF _____

On this _____ day of _____, 2016, then personally appeared before me the above-named **Ahsan RASHID** known to me through satisfactory evidence of identification [____] employee identification card; [____] driver's license; [____] (other)

_____ to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Notary Public

Print Name:

My Commission expires:

Date: _____

Inventor's Signature

Print full name of third inventor:

Kumari Bijayalaxmi NANDA

Residence:

159 Westgate Drive

Edison, New Jersey 08820

Citizenship:

India

Mailing Address:

Same

STATE OF NEW JERSEY

COUNTY OF _____

On this ____ day of _____, 2016, then personally appeared before me the above-named **Kumari Bijayalaxmi NANDA** known to me through satisfactory evidence of identification [] employee identification card; [] driver's license; [] (other)

_____ to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Notary Public

Print Name:

My Commission expires:

Date: _____

Inventor's Signature

Print full name of fourth inventor:

Rohit K. CHAWLA

Residence:

6 Michael Lane
Scotch Plains, NJ 07076

Citizenship:

U.S.A.

Mailing Address:

Same

STATE OF NEW JERSEY

COUNTY OF _____

On this ____ day of _____, 2016, then personally appeared before me the above-named **Rohit K. CHAWLA** known to me through satisfactory evidence of identification [____] employee identification card; [____] driver's license; [____] (other)

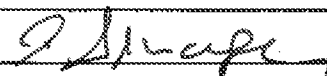
_____ to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Notary Public

Print Name:

My Commission expires:

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN
APPLICATION DATA SHEET (37 CFR 1.76)**

Title of Invention	TECHNIQUES FOR FORMING LARGE CONTIGUOUS STORAGE AREAS
<p>As the below named inventor, I hereby declare that:</p> <p>This declaration is directed to: <input type="checkbox"/> The attached application, or <input checked="" type="checkbox"/> United States application or PCT International application number <u>14/985,706</u> filed on <u>December 31, 2015</u></p> <p>The above-identified application was made or authorized to be made by me.</p> <p>I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p>I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.</p> <p style="text-align: center;">WARNING:</p> <p>Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.</p>	
LEGAL NAME OF INVENTOR	
Inventor: <u>Philippe ARMANGAU</u>	Date: <u>2/24/16</u>
Signature: <u></u>	