

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT4833136

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
DEEPAK VOKALIGA	01/04/2016
BENJAMIN YODER	12/30/2015
VADIM LONGINOV	01/08/2016
GEORGE QUILL	01/20/2016
BENOIT JOSEPH MERLET	01/04/2016
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:	15901038
CORRESPONDENCE DATA	
Fax Number:	
<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>	
Phone:	508-898-8601
Email:	docketing@WESTBORO-IP.COM
Correspondent Name:	MUIRHEAD AND SATURNELLI, LLC
Address Line 1:	200 FRIBERG PARKWAY, SUITE 1001
Address Line 4:	WESTBOROUGH, MASSACHUSETTS 01581
ATTORNEY DOCKET NUMBER:	EMS-622USCON1
NAME OF SUBMITTER:	ANNE E. SATURNELLI
SIGNATURE:	/Anne E. Saturnelli/
DATE SIGNED:	02/21/2018
Total Attachments: 12	
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ASSIGNMENT

WHEREAS, we, Deepak VOKALIGA, Benjamin YODER, Vadim LONGINOV, George QUILL and Benoit Joseph MERLET, 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 MAINTAINING WRITE CONSISTENCY ON DISTRIBUTED MULTIPLE PAGE WRITES, 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 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 (14/984,386 filed December 30, 2015) 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: _____

Inventor's Signature

Print full name of first inventor:

Deepak VOKALIGA

Residence:

87 Wood Street
Hopkinton, MA 01748

Citizenship:

India

Mailing Address:

Same

COMMONWEALTH OF MASSACHUSETTS
COUNTY OF _____

On this ____ day of _____, 2015, then personally appeared before me the above-named **Deepak VOKALIGA** 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:

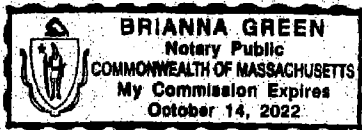
Date: 12/30/15

Benjamin Yoder
Inventor's Signature

Print full name of second inventor: **Benjamin YODER**
Residence: 9 Crestview Drive
Westborough, MA 01581
Citizenship: USA
Mailing Address: Same

COMMONWEALTH OF MASSACHUSETTS
COUNTY OF Worcester

On this 30th day of December, 2015, then personally appeared before me the above-named **Benjamin YODER** 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.



Brianna Green

Notary Public

Print Name: Brianna Green

My Commission expires: October 14, 2022

Date: _____

Inventor's Signature

Print full name of third inventor: **Vadim LONGINOV**
Residence: 16 Nolan Way
Marlborough, MA 01752
Citizenship: RUSSIA
Mailing Address: Same

COMMONWEALTH OF MASSACHUSETTS
COUNTY OF _____

On this ____ day of _____, 2015, then personally appeared before me the above-named **Vadim LONGINOV** 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:

George QUILL

Residence:

394 Middle Winchendon Road

Rindge, NH 03461

Citizenship:

France and USA

Mailing Address:

Same

COMMONWEALTH OF MASSACHUSETTS

COUNTY OF _____

On this ____ day of _____, 2015, then personally appeared before me the above-named **George QUILL** 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 fifth inventor: **Benoit Joseph MERLET**
Residence: 86 Bartlett Street
Chelmsford, MA 01824
Citizenship: France and USA
Mailing Address: Same

COMMONWEALTH OF MASSACHUSETTS
COUNTY OF _____

On this ____ day of _____, 2015, then personally appeared before me the above-named **Benoit Joseph MERLET** 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:

ASSIGNMENT

WHEREAS, we, Deepak VOKALIGA, Benjamin YODER, Vadim LONGINOV, George QUILL and Benoit Joseph MERLET, 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 MAINTAINING WRITE CONSISTENCY ON DISTRIBUTED MULTIPLE PAGE WRITES, 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 30, 2015 as U.S. Application No. 14/984,376;
- 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: 04-JAN-2016



Inventor's Signature

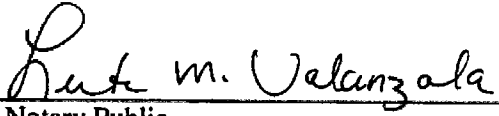
Print full name of first inventor:
Residence:
Citizenship:
Mailing Address:

Deepak VOKALIGA
87 Wood Street
Hopkinton, MA 01748
India
Same

COMMONWEALTH OF MASSACHUSETTS
COUNTY OF Middlesex

On this 4 day of January, 2016, then personally appeared before me the above-named **Deepak VOKALIGA** known to me through satisfactory evidence of identification [] employee identification card; [] driver's license; [] (other)

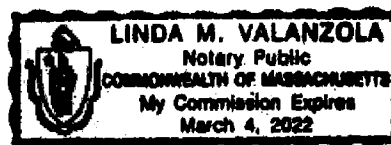
_____ to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.



Notary Public

Print Name: Linda M. Valanzola

My Commission expires:



Date: _____

Inventor's Signature

Print full name of second inventor:

Benjamin YODER

Residence:

9 Crestview Drive
Westborough, MA 01581

Citizenship:

USA

Mailing Address:

Same

COMMONWEALTH OF MASSACHUSETTS
COUNTY OF _____

On this ____ day of _____, 2015, then personally appeared before me the above-named **Benjamin YODER** 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: 01/08/2016

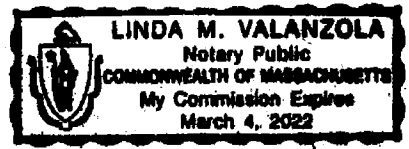
[Signature]
Inventor's Signature

Print full name of third inventor: **Vadim LONGINOV**
Residence: 16 Nolan Way
Marlborough, MA 01752
Citizenship: ~~RUSSIA~~ USA (V/L) 1/08/16
Mailing Address: Same

COMMONWEALTH OF MASSACHUSETTS
COUNTY OF Middlesex

On this 8 day of January, 2016, then personally appeared before me the above-named **Vadim LONGINOV** 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.

[Signature]
Notary Public
Print Name: Linda M. Valanzola
My Commission expires:



Date: 1/20/2016

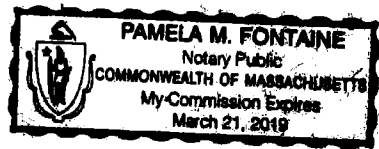
George Quill
Inventor's Signature

Print full name of fourth inventor: **George QUILL**
Residence: 394 Middle Winchendon Road
Rindge, NH 03461
Citizenship: USA
Mailing Address: Same

COMMONWEALTH OF MASSACHUSETTS
COUNTY OF Worcester

On this 20 day of January, 2016, then personally appeared before me the above-named **George QUILL** known to me through satisfactory evidence of identification employee identification card; driver's license; (other) NH 1206669061 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.

Pamela M. Fontaine
Notary Public
Print Name: Pamela M Fontaine
My Commission expires: March 21, 2019



Attorney Docket No.: EMS-622US
EMC Docket No.: EMC-15-0740

Date: Jan 4th, 16


Inventor's Signature

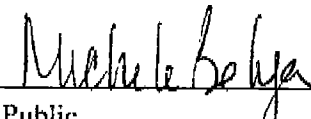
Print full name of fifth inventor:	Benoit Joseph MERLET
Residence:	86 Bartlett Street
	Chelmsford, MA 01824
Citizenship:	France and USA
Mailing Address:	Same

COMMONWEALTH OF MASSACHUSETTS
COUNTY OF Middlesex

On this 4th day of January, 2016, then personally appeared before me the above-named **Benoit Joseph MERLET** 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.



Michele Belyea
NOTARY PUBLIC
Commonwealth of Massachusetts
My Commission Expires Jan. 1, 2021


Notary Public
Print Name: Michele Belyea
My Commission expires: 1/1/2021