

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Eric Michael Lemar</td> <td>06/22/2012</td> </tr> <tr> <td>Matthew D. Fleming</td> <td>06/27/2012</td> </tr> <tr> <td>Asif Arif Daud</td> <td>06/29/2012</td> </tr> <tr> <td>Mohd Fahadullah</td> <td>06/29/2012</td> </tr> <tr> <td>Ronald Stuart Steinke</td> <td>06/29/2012</td> </tr> <tr> <td>Justin Michael Husted</td> <td>06/28/2012</td> </tr> </tbody> </table>		Name	Execution Date	Eric Michael Lemar	06/22/2012	Matthew D. Fleming	06/27/2012	Asif Arif Daud	06/29/2012	Mohd Fahadullah	06/29/2012	Ronald Stuart Steinke	06/29/2012	Justin Michael Husted	06/28/2012
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<table border="1"> <tr> <td>Name:</td> <td>EMC Corporation</td> </tr> <tr> <td>Street Address:</td> <td>176 South Street</td> </tr> <tr> <td>City:</td> <td>Hopkinton</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>01748-9103</td> </tr> </table>		Name:	EMC Corporation	Street Address:	176 South Street	City:	Hopkinton	State/Country:	MASSACHUSETTS	Postal Code:	01748-9103				
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CORRESPONDENCE DATA															
<p>Fax Number: (212)588-0500</p> <p>Phone: 2063365689</p> <p>Email: prosecutiondocketing@flhlaw.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Karl A. Hefter</p> <p>Address Line 1: 745 Fifth Avenue</p> <p>Address Line 2: Frommer, Lawrence & Haug LLP</p> <p>Address Line 4: New York, NEW YORK 10151</p>															
ATTORNEY DOCKET NUMBER:	1361065-2007														

OP \$40.00 13538789

NAME OF SUBMITTER:

Christine M. Bates

Total Attachments: 6

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ASSIGNMENT

I, Eric Michael Lemar, a citizen of the United States, residing at 2817 62nd Avenue SW, Seattle, Washington 98116; with a mailing address of 176 South Street, Hopkinton, Massachusetts 01748-9103;

I, Matthew D. Fleming, a citizen of the United States, residing at 10615 10th Place NE, Seattle, Washington 98125; with a mailing address of 176 South Street, Hopkinton, Massachusetts 01748-9103;

I, Asif Arif Daud, a citizen of the United States, residing at 1732 28th Avenue NE, Issaquah, Washington 98029; with a mailing address of 176 South Street, Hopkinton, Massachusetts 01748-9103;

I, Mohd Fahadullah, a citizen of India, residing at 920 1st Avenue South, #612, Seattle, Washington 98109; with a mailing address of 176 South Street, Hopkinton, Massachusetts 01748-9103;

I, Ronald Stuart Steinke, a citizen of the United States, residing at 18907 SE 265th Street, Covington, Washington 98042; with a mailing address of 176 South Street, Hopkinton, Massachusetts 01748-9103; and

I, Justin Michael Husted, a citizen of the United States, residing at 1511 East Mercer Street, #14, Seattle, Washington 98112; with a mailing address of 176 South Street, Hopkinton, Massachusetts 01748-9103;

and each of us, if more than one person is identified above (hereinafter "ASSIGNOR") for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, paid to ASSIGNOR by

EMC Corporation

a corporation organized under the laws of Delaware, located at 176 South Street, Hopkinton, Massachusetts 01748-9103 (hereinafter "ASSIGNEE"), do hereby sell and assign to said ASSIGNEE, its successors and assigns, the below indicated right, title, and interest, **throughout the world** in and to my Invention entitled:

FILE CLONES

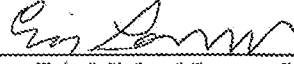
invented by me and described in the specification bearing the above Attorney Docket No. and title executed by me concurrently herewith; and all patents, divisions, reissues, continuations, continuations-in-part and any extensions thereof and rights of priority therein, including the right to sue for past infringement and any such recovery, said interest being my entire ownership interest in the same, to be held and enjoyed by said ASSIGNEE, its successors, assigns, or other legal representatives, to the full end of the term thereof, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made, including all rights of Assignor to recover for past infringement thereof;

And for the consideration aforesaid, I hereby covenant and agree to and with said ASSIGNEE, its successors and assigns, that whenever ASSIGNEE, its counsel or representative, or the counsel or representative of its successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with an application concerning said Invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of such application or patent issuing therefrom is lawful and desirable, I will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement of all lawful rights associated with the Invention, or for the reissue or continuation or extension of the same, will do all acts necessary or required to secure in said ASSIGNEE, its successors or assigns, the title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEE or its successors or assigns, but at its or their expense; and I hereby appoint every present or future officer of said ASSIGNEE as my agent to sign all such papers and to do all such necessary acts on my behalf, to the fullest extent permitted by law;

And I hereby authorize and request the Commissioner of Patents and Trademarks and any other granting authority to issue any Letters Patent resulting from said Invention and application(s) concerning same to said ASSIGNEE.

This assignment shall have an effective date corresponding to the last date of execution.

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that I have signed this document as my own free act and that all of the foregoing is true and correct.



Eric Michael Lemar, Inventor

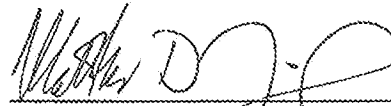
Date: 6-22-2012

United States of America)
State of Washington) ss.:
County of King)

On this 22nd day of JUNE, 2012, before me personally came Eric Michael Lemar, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Donald E. Patterson II
Notary Public

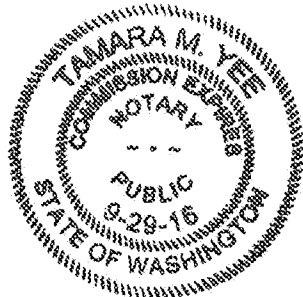


Matthew D. Fleming, Inventor

Date: June 27, 2012

United States of America)
State of Washington) ss.:
County of King)

On this 27th day of June, 2012, before me personally came Matthew D. Fleming, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



[Signature]
Notary Public

Asif Arif Daud
Asif Arif Daud, Inventor

Date: 29 June 2012

United States of America)
State of Washington) ss.:
County of King

On this 29 day of June, 2012, before me
personally came Asif Arif Daud, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.



[Signature]
Notary Public

Mohd Fahadullah
Mohd Fahadullah, Inventor

Date: 29 June 2012

United States of America)
State of Washington) ss.:
County of King

On this 29 day of June, 2012, before me
personally came Mohd Fahadullah, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.



[Signature]
Notary Public

Ronald Steinke

Ronald Stuart Steinke, Inventor

Date: 29 June 2012

United States of America)

State of Washington) ss.:

County of King)

On this 29 day of June, 2012, before me personally came Ronald Stuart Steinke, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



[Signature]
Notary Public

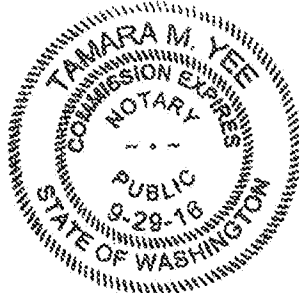
Date: 29 June 2012

United States of America)

State of Washington) ss.:

County of King)

On this 29 day of June, 2012, before me personally came Justin Michael Husted, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



[Signature]
Notary Public