

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Fernando Oliveira</td> <td>12/03/2007</td> </tr> <tr> <td>Stephen Fridella</td> <td>11/28/2007</td> </tr> <tr> <td>Rossen Dimitrov</td> <td>11/28/2007</td> </tr> <tr> <td>Patrick Eaton</td> <td>11/26/2007</td> </tr> </tbody> </table>		Name	Execution Date	Fernando Oliveira	12/03/2007	Stephen Fridella	11/28/2007	Rossen Dimitrov	11/28/2007	Patrick Eaton	11/26/2007
Name	Execution Date										
Fernando Oliveira	12/03/2007										
Stephen Fridella	11/28/2007										
Rossen Dimitrov	11/28/2007										
Patrick Eaton	11/26/2007										
RECEIVING PARTY DATA											
Name:	EMC Corporation										
Street Address:	176 South Street										
City:	Hopkinton										
State/Country:	MASSACHUSETTS										
Postal Code:	01748										
PROPERTY NUMBERS Total: 1											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11978243</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11978243						
Property Type	Number										
Application Number:	11978243										
CORRESPONDENCE DATA											
Fax Number:	(508)898-8602										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	(508) 898-8601										
Email:	Docketing@westboro-ip.com										
Correspondent Name:	Donald W. Muirhead										
Address Line 1:	Muirhead and Saturnelli, LLC										
Address Line 2:	200 Friberg Parkway, Suite 1001										
Address Line 4:	Westborough, MASSACHUSETTS 01581										
ATTORNEY DOCKET NUMBER:	EMS-164US2										
NAME OF SUBMITTER:	Donald W. Muirhead										
Total Attachments: 10											

OP \$40.00 11978243

source=EMS-164US2, Assignment of Inventors (exec'd) 12-07#page1.tif
source=EMS-164US2, Assignment of Inventors (exec'd) 12-07#page2.tif
source=EMS-164US2, Assignment of Inventors (exec'd) 12-07#page3.tif
source=EMS-164US2, Assignment of Inventors (exec'd) 12-07#page4.tif
source=EMS-164US2, Assignment of Inventors (exec'd) 12-07#page5.tif
source=EMS-164US2, Assignment of Inventors (exec'd) 12-07#page6.tif
source=EMS-164US2, Assignment of Inventors (exec'd) 12-07#page7.tif
source=EMS-164US2, Assignment of Inventors (exec'd) 12-07#page8.tif
source=EMS-164US2, Assignment of Inventors (exec'd) 12-07#page9.tif
source=EMS-164US2, Assignment of Inventors (exec'd) 12-07#page10.tif

ASSIGNMENT

WHEREAS, we, **Fernando OLIVEIRA, Stephen FRIDELLA, Rossen DIMITROV,** and **Patrick EATON**, 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 **EXPOSING STORAGE RESOURCES WITH DIFFERING CAPABILITIES**, 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 October 26, 2007 as U.S. Application No. 11/978,243;
- 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.

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

Date: 12/3/07

Fernando Oliveira
Inventor's Signature

Print full name of first inventor: **Fernando OLIVEIRA**
Residence: 72 River Ridge
Sudbury, MA 01776
Citizenship: U.S.A.
Mailing Address: Same

STATE OF Ma
COUNTY OF Middlesex

On this 3rd day of ~~November~~ ^{December}, 2007, then personally appeared before me the above-named **Fernando OLIVEIRA** known to me through satisfactory evidence of identification [] employee identification card; [] driver's license; [] (other) Fernando Oliveira 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

Julie A. Kavanaugh
Notary Public

Print Name: Julie A. Kavanaugh
My Commission expires: 2/6/09

Date: 11/28/07



Inventor's Signature

Print full name of second inventor: **Stephen FRIDELLA**
Residence: 22 St. Mary's Street
Watertown, Ma 02472
Citizenship: USA
Mailing Address: Same

COMMONWEALTH OF MASSACHUSETTS
COUNTY OF Middlesex

On this 26 day of November, 2007, then personally appeared before me the above-named **Stephen FRIDELLA** 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:



CHARLES SANDS
Notary Public
Commonwealth of Massachusetts
My Commission Expires
August 10, 2012

Date: 11/28/2007

Rossen Dimitrov
Inventor's Signature

Print full name of third inventor: **Rossen DIMITROV**
Residence: 23 Middle Dunstable Road
Nashua, NH 03062
Citizenship: USA
Mailing Address: Same

COMMONWEALTH OF MASSACHUSETTS
COUNTY OF Middlesex

On this 28 day of November, 2007, then personally appeared before me the above-named **Rossen DIMITROV** 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:
My Commission expires:



CHARLES SANDS
Notary Public
Commonwealth of Massachusetts
My Commission Expires
August 10, 2012

Date: _____

Inventor's Signature

Print full name of fourth inventor:

Patrick EATON

Residence:

32 Overlook Road
Arlington, MA 02474

Citizenship:

U.S.A.

Mailing Address:

Same

COMMONWEALTH OF MASSACHUSETTS

COUNTY OF _____

On this ____ day of November, 2007, then personally appeared before me the above-named **Patrick EATON** 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, **Fernando OLIVEIRA, Stephen FRIDELLA, Rossen DIMITROV,** and **Patrick EATON**, 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 **EXPOSING STORAGE RESOURCES WITH DIFFERING CAPABILITIES**, 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 October 26, 2007 as U.S. Application No. 11/978,243;
- 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.

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:

Fernando OLIVEIRA

Residence:

72 River Ridge
Sudbury, MA 01776

Citizenship:

U.S.A.

Mailing Address:

Same

STATE OF _____

COUNTY OF _____

On this ____ day of November, 2007, then personally appeared before me the above-named **Fernando OLIVEIRA** 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 second inventor: **Stephen FRIDELLA**
Residence: 22 St. Mary's Street
Watertown, Ma 02472
Citizenship: USA
Mailing Address: Same

COMMONWEALTH OF MASSACHUSETTS
COUNTY OF _____

On this ____ day of November, 2007, then personally appeared before me the above-named **Stephen FRIDELLA** 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:

Rossen DIMITROV

Residence:

23 Middle Dunstable Road

Nashua, NH 03062

Citizenship:

USA

Mailing Address:

Same

COMMONWEALTH OF MASSACHUSETTS

COUNTY OF _____

On this ____ day of November, 2007, then personally appeared before me the above-named **Rossen DIMITROV** 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: 11/26/2007

Patrick R. Eaton
Inventor's Signature

Print full name of fourth inventor: **Patrick EATON**
Residence: 32 Overlook Road
Arlington, MA 02474
Citizenship: U.S.A.
Mailing Address: Same

COMMONWEALTH OF MASSACHUSETTS
COUNTY OF Middlesex

On this 26 day of November, 2007, then personally appeared before me the above-named **Patrick EATON** known to me through satisfactory evidence of identification [] employee identification card; [] driver's license; [] (other) Patrick Eaton 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.

Julie A. Kavanaugh
Notary Public

Print Name: Julie A. Kavanaugh
My Commission expires: 2/6/09