

PATENT ASSIGNMENT

Electronic Version v1.1

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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>Stevem M Blumenau</td><td>04/13/2001</td></tr><tr><td>John T Fitzgerald</td><td>04/12/2001</td></tr><tr><td>John F Madden Jr</td><td>04/13/2001</td></tr></tbody></table>		Name	Execution Date	Stevem M Blumenau	04/13/2001	John T Fitzgerald	04/12/2001	John F Madden Jr	04/13/2001				
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RECEIVING PARTY DATA													
<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>Internal Address:</td><td>Office of the General Counsel</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</td></tr></table>		Name:	EMC Corporation	Street Address:	176 South Street	Internal Address:	Office of the General Counsel	City:	Hopkinton	State/Country:	MASSACHUSETTS	Postal Code:	01748
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
Fax Number: (508)293-7189 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone: 508-293-6985													
Email: docketing@emc.com													
Correspondent Name: Robert Kevin Perkins													
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Address Line 2: Office of the General Counsel													
Address Line 4: Hopkinton, MASSACHUSETTS 01748													
ATTORNEY DOCKET NUMBER:	EMC-99-184(CIP1)CON1												
NAME OF SUBMITTER:	Robert Kevin Perkins												
Total Attachments: 2													

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ASSIGNMENT

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we the undersigned Steven M. Blumenau, 170 Holly Lane, Holliston, MA 01746; John T. Fitzgerald, 3 Mayflower Drive, Mansfield, MA 02048; and John F. Madden, Jr., 28 Steppingstone Drive, Holden, MA 01520 hereby

Sell, assign and transfer to EMC Corporation, a Massachusetts corporation having a place of business at 35 Parkwood Drive, Hopkinton, MA 01748, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office December 29, 2000 and entitled METHOD AND APPARATUS FOR MANAGING ACCESS TO STORAGE DEVICES IN A STORAGE SYSTEM WITH ACCESS CONTROL, and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all rights to priority.

We agree that said Assignee may apply for and receive Letters Patent for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, we agree to carry out in good faith the intent and purpose of this assignment, by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to us relating to said inventions and the history thereof, and generally by doing everything possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee.

We hereby request the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said Assignee.

We covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

Date Apr 13, 2001

Steven M. Blumenau
Steven M. Blumenau
170 Holly Lane
Holliston, MA 01746

Commonwealth
STATE OF Massachusetts
COUNTY OF Middlesex

Subscribed and sworn to before me this 13th day of April

SEAL Patricia MacMunn
Notary Public
My Commission Expires _____

PATRICIA ANN MacMUNN
Notary Public
Commonwealth of Massachusetts
My Commission Expires
January 31, 2008

Date April 12, 2001

John T. Fitzgerald
John T. Fitzgerald
3 Mayflower Drive
Mansfield, MA 02048

STATE OF Massachusetts
COUNTY OF Middlesex

Subscribed and sworn to before me this 12 day of April, 2001

SEAL John T. Fitzgerald
Notary Public
My Commission Expires _____
JOHN T. FITZGERALD, Notary Public
My Commission Expires July 12, 2002

Date 4/13/01

John F. Madden, Jr.
John F. Madden, Jr.
28 Steppingstone Drive
Holden, MA 01520

Commonwealth
STATE OF Massachusetts
COUNTY OF Middlesex

Subscribed and sworn to before me this 13th day of April

SEAL Patricia MacMunn
Notary Public
My Commission Expires _____

PATRICIA ANN MacMUNN
Notary Public
Commonwealth of Massachusetts
My Commission Expires
January 31, 2008