

# PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jeffrey Phillips</td> <td>12/22/1999</td> </tr> <tr> <td>David Allen</td> <td>12/22/1999</td> </tr> <tr> <td>Brett Serkez</td> <td>12/22/1999</td> </tr> <tr> <td>Peter Bouchard</td> <td>12/22/1999</td> </tr> </tbody> </table>		Name	Execution Date	Jeffrey Phillips	12/22/1999	David Allen	12/22/1999	Brett Serkez	12/22/1999	Peter Bouchard	12/22/1999
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<b>RECEIVING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>EMC Corporation</td> </tr> <tr> <td>Street Address:</td> <td>171 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</td> </tr> </table>		Name:	EMC Corporation	Street Address:	171 South Street	City:	Hopkinton	State/Country:	MASSACHUSETTS	Postal Code:	01748
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<b>PROPERTY NUMBERS Total: 1</b>											
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<b>CORRESPONDENCE DATA</b>											
Fax Number: (415)705-6383 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 4157056377 Email: rking@dergnoah.com Correspondent Name: Todd A. Noah Address Line 1: Three Embarcadero Center, Suite 410 Address Line 4: San Francisco, CALIFORNIA 94111											
ATTORNEY DOCKET NUMBER:	965-99-142CON2										
NAME OF SUBMITTER:	Todd A. Noah										
Total Attachments: 3 source=Assignment#page 1.tif											

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**PATENT**  
**REEL: 025835 FRAME: 0449**

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E0295/7130

Express Mail Mailing Label Number E02957130  
Date of Deposit December 23, 1988

## ASSIGNMENT

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned Jeffrey Phillips, 20 Adam Circle, Northbridge, Massachusetts 01534; David Allen, 84 Wingate Road, Holliston, Massachusetts 01746; Brett Serkez, 20 Perry Henderson Drive, Framingham, Massachusetts 01701; and Peter Bouchard, 11 Crowfarm Lane, Norton, Massachusetts 02766, hereby

Sell, assign and transfer to EMC Corporation, a Massachusetts corporation having a place of business at 171 South Street, 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 executed of even date herewith and entitled METHOD AND APPARATUS FOR MANAGING INFORMATION RELATED TO STORAGE ACTIVITIES OF DATA STORAGE SYSTEMS, 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.

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, 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.

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

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.

425393.1

**PATENT**  
**REEL: 025835 FRAME: 0451**

Dated: 12/22/99

Jeffrey Phillips  
Jeffrey Phillips

STATE OF Massachusetts :  
COUNTY OF Norfolk :

Subscribed and sworn to before me this 22nd day of December 1999.

SEAL Jinda M. LeFevre  
Notary Public  
My Commission Expires 2-19-2004

Dated: 12/22/99

David T. Allen  
David Allen

STATE OF Massachusetts :  
COUNTY OF Norfolk :

Subscribed and sworn to before me this 22nd day of December 1999.

SEAL Jinda M. LeFevre  
Notary Public  
My Commission Expires 2-19-2004

Dated: 12/22/99

Brett Serkez  
Brett Serkez

STATE OF Massachusetts :  
COUNTY OF Norfolk :

Subscribed and sworn to before me this 22nd day of December 1999.

SEAL Jinda M. LeFevre  
Notary Public  
My Commission Expires 2-19-2004

Dated: 12/22/89

Peter Bouchard  
Peter Bouchard

STATE OF Massachusetts :  
COUNTY OF Norfolk :

Subscribed and sworn to before me this 22d day of December  
1989.

SEAL

Andam, Luca  
Notary Public  
My Commission Expires 2-19-2004