

RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY

Conveying Party(ies)

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Execution Date
Month Day Year

Name (line 1)

Name (line 2)

Execution Date
Month Day Year

Name (line 1)

Name (line 2)

Receiving Party(ies)

Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3) City State/Country Zip Code

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3) City State/Country Zip Code

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Application Number(s) or Patent Number(s)

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

Correspondent Name and Address

Area Code and Telephone Number (978) 452-1971

Name George A. Herbster, Esq.

Address (line 1) Pearson & Pearson

Address (line 2) 10 George Street

Address (line 3) Lowell, MA 01852

Address (line 4)

Pages Enter the total number of pages of the attached conveyance document including any attachments.

4

Application Number(s) or Patent Number(s)

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

09/731,244

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT PCT PCT
PCT PCT PCT

Number of Properties

Enter the total number of properties involved. # 1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

Method of Payment:
Deposit Account

Enclosed Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: # 05-0889

Authorization to charge additional fees: Yes No

Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

George A. Herbster

3/21/2001

Name of Person Signing

Signature

Date

ASSIGNMENT

WHEREAS We, **William R. Fairchild** of **126 Chestnut Street, Douglas, MA 01516** and **Douglas E. LeCrone** of **6 Falcon Ridge Drive, Hopkinton, Massachusetts 01748** and **Daniel A. Murphy** of **25 Highcroft Way, Hopkinton, Massachusetts 01748**, citizens of the **United States of America** (hereinafter called **Assignors**) have invented certain new and useful improvements in **AN OPERATING SYSTEM FOR GENERATING OVERLAPPED INPUT-OUTPUT REQUESTS TO A DEVICE IN A DISK ARRAY STORAGE DEVICE** for which an application for United States Letters Patent was filed on December 6, 2000, Serial No. 09/731,244; and

WHEREAS **EMC Corporation**, a corporation duly organized under the Laws of the **Commonwealth of Massachusetts**, located at **35 Parkwood Drive, Hopkinton, County of Middlesex, Massachusetts**, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in consideration of Ten (\$10.00) Dollars, the receipt of which is hereby acknowledged, and other good and valuable consideration, **Assignors** have sold, assigned and transferred and by these presents do sell, assign and transfer unto the said **EMC Corporation**, its successors and assigns the full and exclusive right, title and interest in and to said invention and in and to said patent application in the United States of America and its territorial possessions and in any and all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States of America or in any and all said foreign countries and in and to any and all divisions, continuations, renewals, substitutions or reissues and extensions thereof for the full term or terms for which the same may be granted;

Assignors hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

Assignors hereby authorize and request the Patent and Trademark Office officials in the United States of America and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said **EMC Corporation** as the assignee of **Assignors'** entire right, title and interest in and to the same for the sole use and behoof of said **EMC Corporation**, its successors and assigns to the full end of the term for which any of said Letters Patent may be granted as fully and entirely as the same would have been held by **Assignors** had this assignment and sale not been made;

Further, **Assignors** agree to communicate to **EMC Corporation** or its representatives any facts known to **Assignors** respecting said invention, to testify in any legal proceeding, to sign all lawful papers, to execute all divisional, continuation, substitution, renewal and reissue applications, to execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said **EMC Corporation**, to make all rightful oaths and generally to do everything possible to aid said **EMC Corporation**, its successors and assigns to obtain and enforce proper protection for said invention in the United States of America and in any and all foreign countries without further compensation, but at the expense of **EMC Corporation**, its successors, assigns or other legal representatives; and

Assignors hereby appoint the Secretary or any other officer of **EMC Corporation** as **Assignors'** attorney-in-fact and agent to execute all documents required or appropriate to perfect or enforce all rights assigned under this Agreement and further authorizes **Assignors'** attorney and attorneys and the attorney and attorneys for **EMC Corporation** to register this assignment in any and all countries.

IN TESTIMONY WHEREOF **William R. Fairchild Douglas E. LeCrone and Daniel A. Murphy** have hereunto set their hands and seals this / day of March, 2001, this / day of March, 2001, and this / day of March, 2001.

William R. Fairchild

William R. Fairchild

Douglas E. LeCrone

Douglas E. LeCrone

Daniel A. Murphy

Daniel A. Murphy

Commonwealth of Massachusetts)
) ss:
Middlesex County)

Before me personally appeared the above named **William R. Fairchild** on the date aforesaid, known to me to be the person described herein, who executed the foregoing instrument before me and acknowledged the same to be his free act and deed.

(Notarial Seal)

Nancy E. Buck

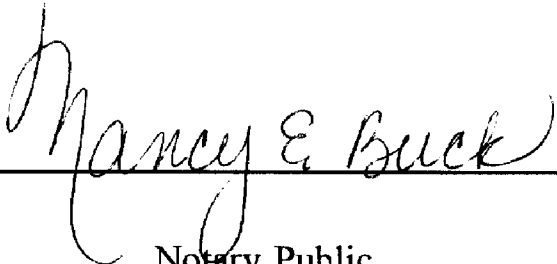
Notary Public

My commission expires: 9-4-2003

Commonwealth of Massachusetts)
) ss:
Middlesex County)

Before me personally appeared the above named **Douglas E. LeCrone** on the date aforesaid, known to me to be the person described herein, who executed the foregoing instrument before me and acknowledged the same to be his free act and deed.

(Notarial Seal)



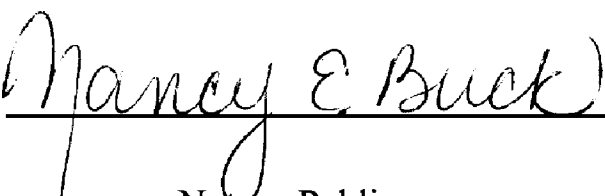
Notary Public

My commission expires: 9-4-2003

Commonwealth of Massachusetts)
) ss:
Middlesex County)

Before me personally appeared the above named **Daniel A. Murphy** on the date aforesaid, known to me to be the person described herein, who executed the foregoing instrument before me and acknowledged the same to be his free act and deed.

(Notarial Seal)



Notary Public

My commission expires: 9-4-2003