

11-16-1999

Attorney Docket No.: 07072/924001

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Assistant Commissioner for Patents: P

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nent.

1. Name of conveying party(ies):
Preston F. Crow, Robert S. Mason, Jr., Steven T. McClure, Susan C. Nagy and Richard G. Wheeler
2. Name and address of receiving party(ies):
**EMC Corporation
 171 South Street
 Hopkinton, MA 01748**

Additional name(s) attached? ☐ Yes ☒ NoAdditional names/addresses attached? ☐ Yes ☒ No

3. Nature of conveyance:
☒ Assignment
☐ Merger
☐ Security Agreement
☐ Change of Name
☐ Other:

Execution Date: **October 18 and 19, 1999**

4. Application number(s) or patent number(s):
 If this document is being filed with a new application, the execution date of the application is: **April 27, 1999**
 A. Patent Application No.(s): **09/301,177**
 B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name/address of party to whom correspondence concerning document should be mailed:

**Gary A. Walpert
 Fish & Richardson P.C.
 225 Franklin Street
 Boston, MA 02110-2804**

6. Total number of applications/patents involved: **1**

7. Total fee (37 CFR 3.41): **\$40**
☒ Enclosed
☐ Authorized to charge deposit account

8. Deposit account number: **06-1050**
 If the fee above is being charged to deposit account, a duplicate copy of this cover sheet is attached. Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.

DO NOT USE THIS SPACE

9. Statement and signature: *To the best of my knowledge and belief, the foregoing information is true and correct and the attached is the original document.*

John F. McCabe *Reg. No. 42,854* *John F. McCabe*
 Name of Person Signing Signature

11/5/99
 Date

Total number of pages including cover sheet, attachments, and document: **4**

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40.00 DP

Date of Deposit *Nov. 5, 1999*
 I hereby certify under 37 CFR 1.8(a) that this correspondence is being deposited with the United States Postal Service as **first class mail** with sufficient postage on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Rebecca H. Brown

PATENT
REEL: 010375 FRAME: 0343

ASSIGNMENT

For valuable consideration, we, Preston F. Crow, of Ashland, MA; Robert S. Mason, Jr. of Mendon, MA; Steven T. McClure of Northboro, MA; Susan C. Nagy of Waltham, MA and Richard G. Wheeler of Belmont, MA hereby assign to EMC Corporation, a Massachusetts corporation having a place of business at 171 South Street, Hopkinton, MA 01748, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest, including, without limitation, the right to sue for past infringement, throughout the world in the inventions and improvements, which are subject of an application for United States Patent signed by us, entitled MULTI-VOLUME EXTENT BASED FILE SYSTEM, filed April 28, 1999, and assigned U.S. Serial Number 09/301,177, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at 171 South St Hopkinton MA,
this 18th day of Oct, 1999
Preston F. Crow L.S.
Preston F. Crow

STATE OF Massachusetts:
COUNTY OF Middlesex:
:ss.

Before me this 18th day of October, 1999, personally appeared

Preston F. Crow known to me 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.

Nancy E. Buck
Notary Public

My Commission Expires:

[Notary's Seal Here]

NANCY E. BUCK
Notary Public
My Comm. Expires Sept. 4, 2003

IN WITNESS WHEREOF, I hereto set my hand and seal at 171 South St. Hopkinton, MA,
this 18 day of Oct, 1999
[Signature] L.S.
Robert S. Mason, Jr.

STATE OF Massachusetts:
COUNTY OF Middlesex: :ss.

Before me this 18th day of October, 1999, personally appeared

Robert S. Mason, Jr. known to me 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

[Notary's Seal Here] My Commission Expires:
NANCY E. BUCK
Notary Public
My Commission Expires Sept. 4, 2003

IN WITNESS WHEREOF, I hereto set my hand and seal at 171 South Street, Hopkinton MA,
this 19th day of October, 1999
[Signature] L.S.
Steven T. McClure

STATE OF Massachusetts:
COUNTY OF Middlesex: :ss.

Before me this 19th day of October, 1999, personally appeared

Steven T. McClure known to me 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

[Notary's Seal Here] My Commission Expires:
NANCY E. BUCK
Notary Public
My Commission Expires Sept. 4, 2003

IN WITNESS WHEREOF, I hereto set my hand and seal at Hopkinton,
this 18 day of Oct, 1999

Susan C. Nagy L.S.
Susan C. Nagy

STATE OF Massachusetts:
COUNTY OF Middlesex: :ss.

Before me this 18th day of October, 1999, personally appeared

Susan C. Nagy known to me 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.

Nancy E. Buck
Notary Public

My Commission Expires:

NANCY E. BUCK
Notary Public
My Commission Expires Sept. 4, 2003

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Hopkinton, MA,
this 18th day of October, 1999

Richard G. Wheeler L.S.
Richard G. Wheeler

STATE OF Massachusetts:
COUNTY OF Middlesex: :ss.

Before me this 18th day of October, 1999, personally appeared

Richard G. Wheeler known to me 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.

Nancy E. Buck
Notary Public

My Commission Expires:

NANCY E. BUCK
Notary Public
My Commission Expires Sept. 4, 2003

[Notary's Seal Here]