

6-27-05

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Form PTO-1595 (Rev. 10/02)

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U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

OMB No. 0651-0027 (exp. 6/30/2005)

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Tab settings

113264 U.S. PTO 11/168136 062705

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Xiaoye Jiang  
Gang Ma  
Uresk K. Vahalia

Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies)

Name: EMC Corporation

Internal Address:

Street Address: 176 South Street

City: Hopkinton State: MA Zip: 01748-9103

Additional name(s) & address(es) attached?  Yes  No

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other

Execution Date: 6/27/05

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: 06/27/05

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Richard Auchterlonie

Internal Address:

Street Address: 1000 Louisiana, Suite 5320

City: Houston State: TX Zip: 77002

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

05-0889/EMC-03-033 CON

DO NOT USE THIS SPACE

9. Signature.

Richard C. Auchterlonie, Reg. 30,607

Name of Person Signing

*Richard C. Auchterlonie*

Signature

27 June 2005

Date

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

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

07/07/2005 6TDN11 00000070 050889 11168136

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PATENT REEL: 016742 FRAME: 0242

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**ASSIGNMENT**

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do hereby:

SELL, ASSIGN AND TRANSFER to EMC CORPORATION (the "Assignee"), having a place of business at 176 South Street, Hopkinton, MA 01748-9103, their entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith and is entitled "DELEGATION OF METADATA MANAGEMENT IN A STORAGE SYSTEM BY LEASING OF FREE FILE SYSTEM BLOCKS FROM A FILE SYSTEM OWNER," such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

DELEGATION OF METADATA MANAGEMENT IN A STORAGE SYSTEM BY LEASING OF FREE FILE SYSTEM BLOCKS FROM A FILE SYSTEM OWNER - 10830.087.CNUS0

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Signature: Xiao Ye Jiang  
Name: Xiaoye Jiang

Date: 6/27/2005

STATE OF Massachusetts )  
  ) ss.  
COUNTY OF Worcester )

BEFORE ME, the undersigned authority, on this 27<sup>th</sup> day of June, 2005, personally appeared XIAOYE JIANG, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

Suzette S. Kelley  
Notary or Consular Officer



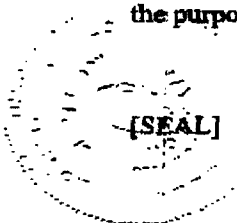
Signature: Gang Ma  
Name: Gang Ma

Date: 6/27/05

STATE OF Massachusetts )  
  ) ss.  
COUNTY OF Worcester )

BEFORE ME, the undersigned authority, on this 27<sup>th</sup> day of June, 2005, personally appeared GANG MA, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

Suzette S. Kelley  
Notary or Consular Officer



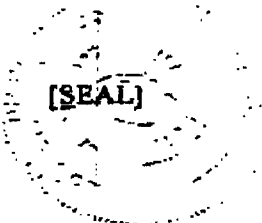
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Signature: Uresh Vahalia Date: 6/27/05  
Name: Uresh K. Vahalia

STATE OF Massachusetts )  
COUNTY OF Worcester ) ss.

BEFORE ME, the undersigned authority, on this 27<sup>th</sup> day of June, 2005, personally appeared Uresh K. Vahalia, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

Janette S. Kelley  
Notary or Consular Officer



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