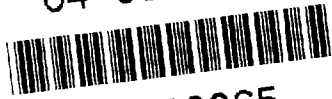


04-05-2001



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FORM PTO-1595 (Rev. 6-93)

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PATENTS ONLY

Patent and Trademark Office

To the Honorable Commissioner for Patents: Please record the attached original document or copy thereof.

1. Name of conveying party(ies): MKD 03-20-01
Uday K. Gupta
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies):
Name: EMC CORPORATION
Street Address: 35 Parkwood Drive
City: Hopkinton State: MA Zip: 01748
Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other
Execution Date: 03/19/2001

4. Application number(s) or registration number(s): Unknown
If this document is being filed together with a new application, the execution date of the application is: 03/19/2001
A. Patent Application No.(s): 09812740
Unknown
B. Patent No.(s): Unknown
Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Richard C. Auchterlonie, Esq.
Howrey Simon Arnold & White, LLP
750 Bering Drive
City: Houston State: Texas Zip: 77057-2198

6. Total number of applications and patents involved: 1
7. Total fee (37 C.F.R. 3.41)----- \$ 40.00
 Enclosed
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8. Deposit account number: 05-0889/EMC-00-173
(Attach duplicate copy of this page if paying by deposit account)

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9. 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.
Richard C. Auchterlonie
Name of Person Signing, Reg. No. 30,607
Signature: Richard C. Auchterlonie
Date: 3/20/01

Total number of pages including cover sheet, attachments and documents: 3

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04/04/2001 AAHMD: 00000183 050889 09812740
01 FC:581 40.00 CH

ASSIGNMENT

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

SELL, ASSIGN AND TRANSFER to EMC CORPORATION (the "Assignee"), having a place of business at 35 Parkwood Drive, Hopkinton, MA 01748, his 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 "BUILDING A META FILE SYSTEM FROM FILE SYSTEM CELLS" 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;

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: [Handwritten Signature]
Name: Uday K. Gupta

Date: 3/19/2001

STATE OF Massachusetts)
COUNTY OF Middlesex) ss.

BEFORE ME, the undersigned authority, on this ____ day of _____, 2001, personally appeared UDAY K. GUPTA, 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.

[Handwritten Signature]
Notary or Consular Officer

[SEAL]

**JULIA ANNAM WALECKI, Notary Public
My Commission Expires July 12, 2002**

HOWREY SIMON ARNOLD & WHITE, LLP
750 Bering Drive Houston, Texas 77057-2198
1299 Pennsylvania Avenue, N.W. Washington, DC 20004