

RECORDATION FORM COVER PATENTS ONLY

10-06-2003



To the Honorable Commissioner for Patents: Please record the attached original

1. Name of Conveying Party(ies): Peter Bixby; Sachin Mullick; Xiaoye Jiang
Additional name(s) of conveying party(ies) attached? [] Yes [X] No

2. Name and Address of Party(ies) receiving an interest (assignee(s)):
Name: EMC CORPORATION
Address: 176 South Street, Hopkinton, MA 01748
Country: USA
Additional name(s) and address(es) attached? [] Yes [X] No

3. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date(s) of the new application is: 09/23/03
A. Patent Application No(s): 10668546 B. Patent No(s):
Others on additional sheet(s) attached? [] Yes [X] No

4. Nature of Conveyance:
[X] Assignment [] Merger [] Change of Name
[] Verified Translation [] Security Agreement [] Other:
Execution Date: September 23, 2003

5. Name and address of party to whom correspondence concerning document should be mailed:
Richard C. Auchterlonie
Howrey Simon Arnold & White, LLP
750 Bering Drive
Houston, Texas 77057-2198
713.787.1698 (Telephone)
713.787.1440 (Facsimile)

6. Total number of applications and patents involved:
Application(s): 1
+ Patent(s):
= Total: 1

7. Total Fee (37 C.F.R. § 3.41) \$40.00
8. Authorized to be charged to Deposit Account Yes

9. Deposit Account No.: 05-0889/EMC-03-064
(Duplicate copy of this sheet attached)
[X] Charge any underpayment or credit any overpayment to above Deposit Account

DO NOT USE THIS SPACE

10. 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 Signature Date
September 23, 2003

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

10/06/2003 BYRNE 00000007 050889 10668546
01 FC:0021 40.00 BA

17958 U.S. 10/668546 09/23/03

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 176 South Street, 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 " MAINTENANCE OF A FILE VERSION SET INCLUDING READ-ONLY AND READ-WRITE SNAPSHOT COPIES OF A PRODUCTION FILE," 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.

ASSIGNMENT - MAINTENANCE OF A FILE VERSION SET INCLUDING READ-ONLY AND READ-WRITE SNAPSHOT COPIES OF A PRODUCTION FILE

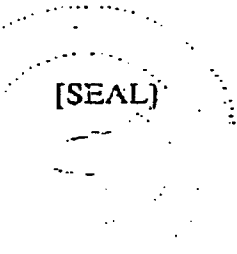
Signature: *Peter Bixby*
Name: Peter Bixby

Date: 9/23/2003

STATE OF Massachusetts)
COUNTY OF Norfolk) ss.

BEFORE ME, the undersigned authority, on this 23rd day of September, 2003, personally appeared Peter Bixby, 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.

James J. Farnate
Notary or Consular Officer



Signature: *Sachin Mullick*
Name: Sachin Mullick

Date: 9/23/2003

STATE OF Massachusetts)
COUNTY OF Norfolk) ss.

BEFORE ME, the undersigned authority, on this 23rd day of September, 2003, personally appeared Sachin Mullick, 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.

James J. Farnate
Notary or Consular Officer



ASSIGNMENT - MAINTENANCE OF A FILE VERSION SET INCLUDING READ-ONLY AND READ-WRITE SNAPSHOT COPIES OF A PRODUCTION FILE

Signature: _____ Date: _____
Name: Jiannan Zheng

STATE OF _____)
) ss.
COUNTY OF _____)

BEFORE ME, the undersigned authority, on this ____ day of _____, 2003, personally appeared: Jiannan Zheng, 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.

Notary or Consular Officer

[SEAL]

Signature: *Xiaoye Jiang* Date: 9/23/2003
Name: Xiaoye Jiang

STATE OF Massachusetts)
) ss.
COUNTY OF Norwalk)

BEFORE ME, the undersigned authority, on this 23rd day of September, 2003, 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.

James J. Forrester
Notary or Consular Officer

[SEAL]