

04-16-2001



Form PTO-1595

R

U.S. DEPARTMENT OF COMMERCE

(Rev. 5/39)

101663326

Patent and Trademark Office

OMB No. 0651-0011 (exp. 4/94)

Docket No.: EMS-01301

1. Name of conveying party(ies):  
 Tao Kai Lam  
 Orit Levin Michael  
 Adnan Sahin  
*3/26/01*

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

Nature of conveyance:  
 (X) Assignment ( ) Merger  
 ( ) Security Agreement ( ) Change of Name  
 ( ) Other:  
 Execution Date: March 22, 2001

2. Name and address of receiving party(ies)  
 Name: EMC Corporation  
 Internal Address: \_\_\_\_\_  
 Street Address: 35 Parkwood Drive  
Hopkinton, Massachusetts 01748

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

11033 U.S. PTO  
 09/01/7328  
 03/26/01

4. Application number(s) or patent number(s):  
 If this document is being filed together with a new application, the execution date of the applications is: March 22, 2001

A. Patent Application No.(s) \_\_\_\_\_ B. Patent No.(s) 09817328  
 Additional numbers attached? Yes \_\_\_ No X

5. Name and address of party to whom correspondence concerning document should be mailed:  
 6.  
 Name: Patent Group  
 Internal Address: Hutchins, Wheeler & Dittmar  
 Street Address: 101 Federal Street  
 City: Boston State: MA ZIP: 02110

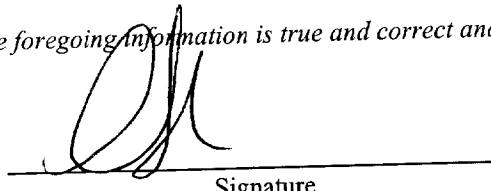
6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ \$40.00  
 X Enclosed  
 \_\_\_ Authorized to be charged to deposit account

8. Deposit account number: \_\_\_\_\_  
 (Attached duplicate copy of this page if paying by deposit account)

**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 any attached copy is a true copy of the original document.*

Anne E. Saturnelli; 41,290  March 26, 2000  
 Name of Person Signing Signature Date

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

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

04/18/2001 TD:071 00000164 09817328

01 FC:581

40.00 DP

**ASSIGNMENT**

WHEREAS, WE, **Tao Kai Lam of Boston, Massachusetts; Orit Levin Michael of Newton, Massachusetts; and Adnan Sahin of Brookline, Massachusetts**, have developed certain inventions described in a patent application titled: **METHOD AND APPARATUS FOR PERFORMING SWAP ANALYSIS**, attached herewith; and have full right to convey the entire right, title and interest, both legal and equitable, in and to said inventions, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

WHEREAS, **EMC Corporation** ("Assignee"), having a principal place of business at 35 Parkwood Drive, Hopkinton, Massachusetts 01748, is desirous of acquiring the entire right, title and interest in and to said invention or inventions and any and all patents to be obtained therefor;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by the undersigned, the undersigned do hereby sell, assign, transfer and set over unto said Assignee, its successors and assigns, their entire right, title and interest throughout the world in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any application filed in any foreign country based thereon, including the right to file said foreign applications and claim priority under the provisions of any international convention or treaty; also the entire right, title and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the undersigned hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignee or its successors and assigns.

The undersigned further agree, without any further payment or compensation by said Assignee or its successors and assigns, to communicate to said Assignee, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings whenever requested; testify in any interference or other legal proceedings, whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee, its successors or assigns and nominees to secure, obtain and enforce proper patent protection for said invention or inventions in this or any foreign country.

IN TESTIMONY WHEREOF, the undersigned have hereunto set their hands and seals on the date after their signatures.

*Tao Kai Lam*

**Tao Kai Lam**

3/22/2001  
(date)

Commonwealth of Massachusetts  
County of Middlesex

On this 22nd day of March, 2001 before me personally appeared **Tao Kai Lam** to me personally known, and known to me to be the person who signed the foregoing assignment and acknowledged the signing of same as his free act and deed.

*Angela F. Muise*  
Notary Public  
My Commission Expires: February 12, 2004  
**ANGELA F. MUISE**  
Notary Public

*Orit Levin Michael*  
**Orit Levin Michael**

3/22/01  
(date)

Commonwealth of Massachusetts  
County of Middlesex

On this 22nd day of March, 2001 before me personally appeared **Orit Levin Michael** to me personally known, and known to me to be the person who signed the foregoing assignment and acknowledged the signing of same as his free act and deed.

*Angela F. Muise*  
Notary Public  
My Commission Expires: \_\_\_\_\_

**ANGELA F. MUISE**  
Notary Public  
My Commission Expires February 12, 2004

**PATENT**

**REEL: 011665 FRAME: 0617**

**ASSIGNMENT**

Adnan Sahin  
Adnan Sahin

3/22/01

(date)

Commonwealth of Massachusetts  
County of Middlesex

On this 22nd day of March, 2001 before me personally appeared **Adnan Sahin** to me personally known, and known to me to be the person who signed the foregoing assignment and acknowledged the signing of same as his free act and deed.

Angela F. Muise  
Notary Public  
My Commission Expires: \_\_\_\_\_

**ANGELA F. MUISE**  
Notary Public  
My Commission Expires February 12, 2004