

Form PTO-1595 (Rev. 06/04)
OMB No. 0651-0027 (exp. 6/30/2005)

04-04-2006

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

RE



103210984

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

F. William French
Stephen Richard Ives
Thomas M. De Lucia
Jeffrey R. Berenson
Michael D. Garvey

Execution Date(s) 3/28/06

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: EMC Corporation

Internal Address: _____

Street Address: 176 South Street

City: Hopkinton

State: MA

Country: USA Zip: 01748

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

4. Application or patent number(s):

☒ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Guerin & Rodriguez, LLP

Internal Address: _____

Street Address: 5 Mount Royal Avenue

Mount Royal Office Park

City: Marlborough

State: MA Zip: 01752

Phone Number: 508-303-2003

Fax Number: 508-303-0005

Email Address: _____

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 05-0889

Authorized User Name EMC Corporation

9. Signature: Michael Rodriguez

Signature

3-28-06

Date

Michael A. Rodriguez

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 8

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

04/03/2006 DRYNE 00000229 050889 11391104

01 F018021 40.00 DA

ASSIGNMENT

WHEREAS, we, **F. William French, Stephen Richard Ives, Thomas M. De Lucia, Jeffery R. Berenson, and Michael D. Garvey** have invented an invention comprising and/or embodying certain improvements or discoveries or both as described in an application for Letters Patent of the United States entitled

SYSTEM AND METHOD FOR IMPROVING DISK DRIVE PERFORMANCE DURING HIGH FREQUENCY VIBRATION CONDITIONS,

the specification of which:

☒ [X] is being executed on even date herewith and is about to be filed in the United States Patent Office;

☐ [] was filed on _____ as U.S. Application No. _____;

☐ [] was patented under U.S. Patent No. _____ on _____.

WHEREAS, EMC Corporation (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Commonwealth of Massachusetts and having a usual place of business at 176 South Street, Hopkinton, Massachusetts 01748 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey to ASSIGNEE all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals as set forth below:

Date:

3/28/06

F. W. French

Inventor's Signature

Print full name of first inventor:

F. William French

Residence:

8 Mettacomett Path

Harvard Massachusetts 01451

Citizenship:

United States of America

Mailing Address:

8 Mettacomett Path, Harvard, Massachusetts 01451

STATE/COMMONWEALTH OF

Massachusetts

COUNTY OF Middlesex

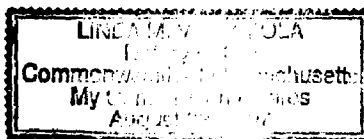
On this 28 day of March, 2006, then personally appeared before me the above-named F. William French known to me through satisfactory evidence of identification [☐] employee identification card; [☒] driver's license; [☐] (other) F. William French to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Linda M. Valanzola

Notary Public

Print Name: Linda M. Valanzola

My Commission expires 8/23/07



Date: 3/28/06

[Signature]
Inventor's Signature

Print full name of second inventor:

Stephen Richard Ives

Residence:

26 Shrewsbury Street
West Boylston, MA 01583-2104

Citizenship:

United States of America

Mailing Address:

26 Shrewsbury Street,
West Boylston, Massachusetts 01583-2104

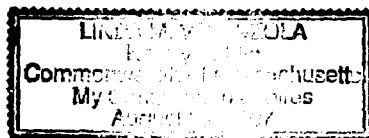
STATE/Commonwealth of Massachusetts
COUNTY OF Middlesex

On this 28 day of March, 2006, then personally appeared before me the above-named Stephen Richard Ives known to me through satisfactory evidence of identification ☐ employee identification card; ☒ driver's license; ☐ (other) Stephen Richard Ives 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

Print Name: Linda N. Valanzola

My Commission expires 8/23/07



Date:

3/28/06

Thomas M. De Lucia

Inventor's Signature

Print full name of third inventor:

Thomas M. De Lucia

Residence:

1 Selma Circle, Milford, Massachusetts 01757

Citizenship:

United States of America

Mailing Address:

1 Selma Circle, Milford, Massachusetts 01757

STATE/Commonwealth of

Massachusetts

COUNTY OF Middlesex

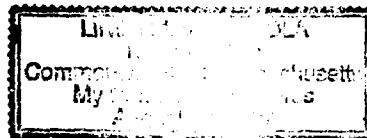
On this 28 day of March, 2006, then personally appeared before me the above-named Thomas M. De Lucia known to me through satisfactory evidence of identification [☐] employee identification card; [☒] driver's license; [☐] (other) Thomas M. De Lucia to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Linda M. Valanzola

Notary Public

Print Name: Linda M. Valanzola

My Commission expires 8/23/07



Date:

3/28/06

Jeffery R. Berenson
Inventor's Signature

Print full name of fourth inventor:

Jeffery R. Berenson

Residence:

13 Carp Road, Milford, Massachusetts 01757

Citizenship:

United States of America

Mailing Address:

13 Carp Road, Milford, Massachusetts 01757

STATE/Commonwealth of

Massachusetts

COUNTY OF Middlesex

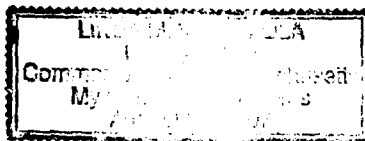
On this 28 day of March, 2006, then personally appeared before me the above-named Jeffery R. Berenson known to me through satisfactory evidence of identification [☐] employee identification card; [☒] driver's license; [☐] (other) Jeffery R. Berenson to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Linda M. Valanzola

Notary Public

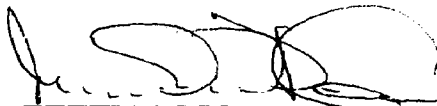
Print Name: Linda M. Valanzola

My Commission expires 8/23/07



Date:

3/28/06



Inventor's Signature

Print full name of fifth inventor:

Michael D. Garvey

Residence:

1499 Dunhamtown Road,
Brimfield, Massachusetts 01010

Citizenship:

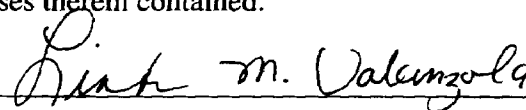
United States of America

Mailing Address:

1499 Dunhamtown Road,
Brimfield, Massachusetts 01010

STATE/Commonwealth of Massachusetts
COUNTY OF Middlesex

On this 28 day of March, 2006, then personally appeared before me the above-named Michael D. Garvey known to me through satisfactory evidence of identification ☐ employee identification card; ☒ driver's license; ☐ (other) Michael D. Garvey 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.



Notary Public

Print Name: Linda M. Valanzola

My Commission expires 8/23/07

