

04-14-2005



102979869

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

03-30-05

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

Bernard Wamakulasooriya
Steven D. Sardella
Mickey Felton

Execution Date(s) March 29, 2005

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: 35 Parkwood Drive

City: Hopkinton

State: MA

Country: USA Zip: 01748

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

3. Nature of conveyance:

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

4. Application or patent number(s):

A. Patent Application No.(s) _____

This document is being filed together with a new application.

B. Patent No.(s) _____

Additional numbers attached? Yes No

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

Name: Mary Steubing

Steubing McGuinness & Manaras LLP

Internal Address: _____

Street Address: 125 Nagog Park

City: Acton

State: MA Zip: 01720

Phone Number: 978-264-6664

Fax Number: 978-264-9119

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 502569

Authorized User Name Mary Steubing

9. Signature: Mary Steubing
Signature

3/30/05
Date

Mary Steubing

Name of Person Signing

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

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

04/12/2005 ECDOPER 00000446 502569 11094024

01 FC:8021 40.00 DA

13261 U.S. PTO
1/094024



033005

ASSIGNMENT

WHEREAS, we, Bernard Warnakulasooriya, Steven Sardella, and Mickey Felton 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 Apparatus and Method for Controlling Disk Drive Spin Up, the specification of which:

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: 03/29/2005



Inventor's Signature

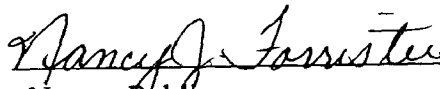
Bernard Warnakulasooriya

Print full name of first inventor:

Residence: 33 Mary Jane Road
Franklin, MA 02038
Citizenship: Sri Lanka
Mailing Address: 33 Mary Jane Road
Franklin, MA 02038

STATE/Commonwealth of Massachusetts
COUNTY OF Worcester

On this 29th day of March, 2004, then personally appeared before me the above-named Bernard Warnakulasooriya known to me through satisfactory evidence of identification [] employee identification card; [] driver's license; [] (other) _____ 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: Nancy J. Forrester
My Commission expires 03/07/2008

Date: March 29, 2005

Steven D. Sardella

Inventor's Signature

Print full name of second inventor:

Steven D. Sardella

Residence:

PMB #191, 771 Boston Post Road East,
Marlborough, MA 01752

Citizenship:

USA

Mailing Address:

PMB #191, 771 Boston Post Road East,
Marlborough, MA 01752

STATE/Commonwealth of Massachusetts
COUNTY OF Worcester

On this 29th day of March, 2004, then personally appeared before me the above-named Steven D. Sardella known to me through satisfactory evidence of identification [employee identification card; driver's license; (other)] _____ 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.

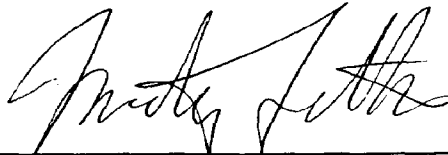
Nancy J. Forrister
Notary Public

Print Name: Nancy J. Forrister

My Commission expires 03/07/2008

Date:

3/29/2005



Inventor's Signature

Print full name of second inventor:

Mickey Felton

Residence:

2 Burpee Road, Sterling, MA 01564

Citizenship:

USA

Mailing Address:

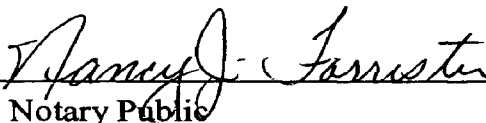
2 Burpee Road, Sterling, MA 01564

STATE/Commonwealth of
COUNTY OF

Massachusetts

Worcester

On this 29th day of March, 2004, then personally appeared before me the above-named Mickey Felton known to me through satisfactory evidence of identification [] employee identification card; [] driver's license; [] (other) _____ 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: Nancy J. Forrester

My Commission expires 03/07/2008