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08-30-2006

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



103299295

To the Director of the U.S. Patent & Trademark Office

or the new address(es) below.

8.25-01

1. Name of conveying party(ies)

Michael D. Haynes
Saurabh M. Pathak
Anifa L. Bezera
William Paul Hotle
Alan L. Taylor

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: 176 South Street

City: Hopkinton

State: Massachusetts

Country: USA Zip: 01748

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

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AUG 25 2006

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 07/20/06; 07/20/06; 07/20/08; 07/20/06;
& 07/19/06

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

4. Application or patent number(s):

A. Patent Application No.(s) 11/478,833

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: Gregory A. Hunt
Jenkins, Wilson, Taylor & Hunt, P.A.

Internal Address: _____

Street Address: Suite 1200, University Tower
3100 Tower Boulevard

City: Durham

State: NC Zip: 27707

Phone Number: 919-493-8000

Fax Number: 919-419-0383

Email Address: ghunt@jwth.com

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 50-0426

Authorized User Name JENKINS, WILSON, TAYLOR & HUNT, P.A.

9. Signature: [Signature] Signature

August 25, 2006 Date

Name of Person Signing Gregory A. Hunt

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

8

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PAGE 4/10 * RCVD AT 8/25/2006 4:39:07 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-1/5 * DNIS:2738300 * CSID: * DURATION (mm-ss):02-40

PATENT/Assignment
Attorney Docket No.: 1512/16

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ASSIGNMENT**AUG 25 2006**

WHEREAS, we, Michael D. Haynes, Saurabh M. Pathak, Anita I. Bezera, William Paul Hotle, and Alan L. Taylor 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 **METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS FOR PREVENTING CONCURRENT EXECUTION OF CONFLICTING SOFTWARE OPERATIONS ON THE SAME AND DIFFERENT STORAGE PROCESSORS HAVING ACCESS TO A COMMON STORAGE MEDIUM WHILE AVOIDING DEADLOCKS**, 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 June 30, 2006 as U.S. Application No. 11/478,833;
- 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

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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: 7/00/06

Michael D. Haynes
Inventor's Signature

Print full name of first inventor:

Michael D. Haynes

Residence:

USA

Citizenship:

USA

Mailing Address:

8513 Wood Lawn Drive
Raleigh, North Carolina 27613

STATE/Commonwealth of NORTH CAROLINA
COUNTY OF DURHAM

Then personally appeared before me the above-named Michael D. Haynes and acknowledged that he executed the foregoing instrument as his free act and deed this 20TH day of JULY, 2006.

Julie L. Ostermeyer
Notary Public

Print Name: JULIE L. OSTERMEYER

My Commission expires 02/09/2008

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Attorney Docket No.: 1512/16

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AUG 25 2006

Date: 7/20/06



Inventor's Signature

Print full name of second inventor:

Saurabh M. Pathak

Residence:

USA

Citizenship:

India

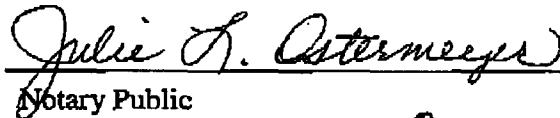
Mailing Address:

1501 Mason Farm Road, Apt. 115
Chapel Hill, North Carolina 27514

STATE/Commonwealth of
COUNTY OF

NORTH CAROLINA
DURHAM

Then personally appeared before me the above-named Saurabh M. Pathak and acknowledged that he executed the foregoing instrument as his free act and deed this 20th day of JULY, 2006.



Notary Public

Print Name: JULIE L. OSTERMEYER

My Commission expires 02/09/2008

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Date: 7/20/06

Anita I. Bezera
Inventor's Signature

Print full name of second inventor:

Anita I. Bezera

Residence:

USA

Citizenship:

USA

Mailing Address:

3904 East Valley Court
Raleigh, North Carolina 27606

STATE/Commonwealth of
COUNTY OF

NORTH CAROLINA
DURHAM

Then personally appeared before me the above-named Anita I. Bezera and acknowledged that he executed the foregoing instrument as his free act and deed this 20TH day of JULY, 2006.

Julie L. Ostermeyer
Notary Public

Print Name: JULIE L. OSTERMEYER

My Commission expires 02/09/2008

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Attorney Docket No.: 1512/16

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Date: 7/20/2006




Inventor's Signature

Print full name of second inventor: **William Paul Hotle**
Residence: USA
Citizenship: USA
Mailing Address: 1011 East Beechmont Circle
Apex, North Carolina 27502

STATE/Commonwealth of NORTH CAROLINA
COUNTY OF DURHAM

Then personally appeared before me the above-named William Paul Hotle and acknowledged that he executed the foregoing instrument as his free act and deed this 20TH day of JULY, 2006.



Notary Public
Print Name: JULIE L. OSTERMEYER
My Commission expires 02/09/2008

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Attorney Docket No.: 1512/16

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Date: July 19, 2006

Alan L. Taylor
Inventor's Signature

Print full name of second inventor:

Alan L. Taylor

Residence:

USA

Citizenship:

USA

Mailing Address:

107 Swan Quarter Drive
Cary, North Carolina 27519

STATE/Commonwealth of
COUNTY OF

NORTH CAROLINA
DURHAM

Then personally appeared before me the above-named Alan L. Taylor and acknowledged that he executed the foregoing instrument as his free act and deed this 20th day of JULY, 2006.

Julie L. Ostermeyer
Notary Public

Print Name: JULIE L. OSTERMEYER

My Commission expires 02/09/2008