Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------------|----------------|
| James T. Compton | 09/27/2005 |
| Surrendranath R. Dookhan | 09/28/2005 |
| Stephen A. Fridella | 09/28/2005 |
| Uday K. Gupta | 09/30/2005 |
| Nikolay Popov | 09/28/2005 |
| Stephen A. Rago | 09/28/2005 |

RECEIVING PARTY DATA

| Name: | EMC Corporation |
|-----------------|------------------|
| Street Address: | 176 South Street |
| City: | Hopkinton |
| State/Country: | MASSACHUSETTS |
| Postal Code: | 01748 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 11241053 |

CORRESPONDENCE DATA

Fax Number: (978)264-9119

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 9782644001

Email: cmahoney@smmalaw.com
Correspondent Name: Lindsay G. McGuinness

Address Line 1: 125 Nagog Park

Address Line 2: McGuinness & Manaras LLP
Address Line 4: Acton, MASSACHUSETTS 01720

ATTORNEY DOCKET NUMBER: 130-056

PATENT REEL: 019151 FRAME: 0220

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| NAME OF SUBMITTER: | Lindsay G. McGuinness |
|-----------------------------|-----------------------|
| Total Attachments: 7 | |
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| source=assignment#page7.tif | |

PATENT REEL: 019151 FRAME: 0221

ASSIGNMENT

WHEREAS, we, James T. Compton, Surrendranath R. Dookhan, Stephen A. Fridella, Uday K. Gupta, Nikolay Popov, and Stephen Rago, 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 File System Query and Method of Use, the specification of which:

| [] | is being executed on even date herewith and is about to be filed in the United States Patent Office; |
|-----|--|
| [x] | was filed on 9/30/2005 as U.S. Application No. 11/241053; |
| [] | was patented under U.S. Patent Noon |

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, I 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 me had this assignment and sale not been made; I 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. I 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, I hereby further agree for me and my 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

PATENT REEL: 019151 FRAME: 0222 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, I 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, I have hereunto set my hand and affixed my seal as set forth below:

| Date: | Inventor's Signature | |
|---|--|--|
| Print full name of first inventor: | James T. Compton | |
| Residence: | 2215 West Club Blvd., Durham, NC 27705 | |
| Citizenship: | | |
| Mailing Address: | 2215 West Club Blvd., Durham, NC 27705 | |
| STATE/COMMONWEALTH OF COUNTY OF | MORTH CAROLINA DURHAM | |
| On this 27m day of SEPTEMBER, 2004, then personally appeared before me the above-named 2007 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 contain | | |
| | Julie of Osterneyer | |
| | Notary Public | |

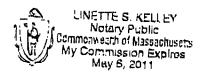
Print Name: JULIE L. OSTERMEYER

My Commission expires 02/09/2008

| Date: | E Ol |
|--|--|
| | Inventor's Signature |
| Print full name of joint inventor: | Surrendranath R. Dookhan |
| Residence: | 7 Birch Street, Franklin, MA 02038 |
| Citizenship: | Trinidad & Tobago |
| Mailing Address: | 7 Birch Street, Franklin, MA 02038 |
| STATE/COMMONWEALTH OF COUNTY OF | essa chusetts excester |
| of identification [] employee identification | 2005, then personally appeared before me the known to me through satisfactory evidence card; driver's license; [] (other) the person whose name is subscribed to the |
| | t he/she executed the same as his/her free act and |
| | Smith S. Kelly |
| | -1 /2 U |
| | Print Name: Linette S. Kelley |
| | My Commission expires <u>657 65 / 20 //</u> |
| | LINETTE S. KELLEY Notary Public Commonwealth of Massachusente |
| | My Commonwealth of Massachusetts My Commission Expires May 5, 2011 |

| Date: | Standar |
|------------------------------------|--|
| | Inventor's Signature |
| Print full name of joint inventor: | Stephen A. Fridella |
| Residence: | 50 Slade Street, Belmont, MA 02478 |
| Citizenship: | United States |
| Mailing Address: | 50 Slade Street, Belmont, MA 02478 |
| | M / u |
| STATE/COMMONWEALTH OF | Mass achusetts |
| COUNTY OF | Worcester |
| | known to me through satisfactory evidence ification card; [X] driver's license; [_] (other) to be the person whose name is subscribed to the dged that he/she executed the same as his/her free act and led. |
| | Sinette S. Kelley |
| | Notary Public |
| | Print Name: <u>finette</u> S. Kelley |
| | My Commission expires 05/ 05/ 2011 |
| • | |
| | LINETTE S. KELLEY Notary Public Commonwealth of Massachusetts My Commission Expires May 5, 2011 |

| | Inventor's Signature |
|--|--|
| Print full name of joint inventor: Uday K. G | upta |
| Residence: 5 Indigo La | ane, Westford, MA 01886 |
| Citizenship: United Sta | ites |
| Mailing Address: 5 Indigo La | ane, Westford, MA 01886 |
| of identification [] cmployee identification card; [X] du to be the person who foregoing Assignment and acknowledged that he/she exceeded for the purposes therein contained. Notary Pub Print Name | ersonally appeared before me the on to me through satisfactory evidence river's license; [] (other) hose name is subscribed to the outed the same as his/her free act and limited. |



| Date: | a P. Lail |
|---|---|
| | Inventor's Signature |
| Print full name of joint inventor: | Nikolay Popov |
| Residence: | 9 Mcadowview Road, Wayland, MA 01778 |
| Citizenship: | United States |
| Mailing Address: | 9 Meadowview Road, Wayland, MA 01778 |
| STATE/COMMONWEALTH OF Mass | sachusetts rcester |
| above-named Nikolay Poper identification [] employee identification ca | 2005, then personally appeared before me the known to me through satisfactory evidence of driver's license; [] (other) the person whose name is subscribed to the |
| foregoing Assignment and acknowledged that deed for the purposes therein contained. | at he/she executed the same as his/her free act and |
| | Lunte S Kelley |
| | Notary Public |
| | Print Name: Linette S. Kelley |
| | My Commission expires 05/05/2011 |
| | LINETTE S. KELLEY Notary Public Commonwealth of Massachusetts My Commission Expires May 5, 2011 |

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PATENT

REEL: 019151 FRAME: 0227

| Date: 9/28/05 | Steph Q. Rago |
|--|---|
| • | Inventor's Signature |
| Print full name of joint inventor: | Stephen A. Rago |
| Residence: | 9 Kathy Ln, Warren, NJ 07059 |
| Citizenship: | USA |
| Mailing Address: | 9 Kathy Ln, Warren, NJ 07059 |
| COUNTY OF MIN | _ |
| On this day of SEPTEMBER, above-named S. A. KAGO known to me through | 2004, then personally appeared before me the ugh satisfactory evidence of identification [] |
| employee identification card; [] driver's lice to be the | ense; [] (other) he person whose name is subscribed to the |
| | he/she executed the same as his/her free act and |
| | Schral O. Spy |
| | Notary Public |
| | Print Name: |
| | My Commission expires// |
| | DEBORAH A. IZZO NOTARY PUBLIC OF NEW JERSEY Commission Expires 4/25/2007 |

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PATENT

REEL: 019151 FRAME: 0228