PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

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

CONVEYING PARTY DATA

| Name | Execution Date | |
|-------------------|----------------|--|
| ABHINAY R. NAGPAL | 08/25/2010 | |
| SANDEEP R. PATIL | 08/24/2010 | |
| DHAVAL K. SHAH | 08/31/2010 | |
| YAN W. STEIN | 08/25/2010 | |

RECEIVING PARTY DATA

| Name: | INTERNATIONAL BUSINESS MACHINES CORPORATION |
|-----------------|---|
| Street Address: | NEW ORCHARD ROAD |
| City: | ARMONK |
| State/Country: | NEW YORK |
| Postal Code: | 10504 |

PROPERTY NUMBERS Total: 1

| Property Type Number | |
|----------------------|----------|
| Application Number: | 12876130 |

CORRESPONDENCE DATA

Fax Number: (919)254-2649

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

Email: adamstea@us.ibm.com

Correspondent Name: IBM Corporation
Address Line 1: P O Box 12195

Address Line 2: IP Law Dept YXSA/B002

Address Line 4: ResearchTrianglePark, NORTH CAROLINA 27709

ATTORNEY DOCKET NUMBER: IN920100035US1

NAME OF SUBMITTER: Adam M. Steadman

Total Attachments: 8

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PATENT REEL: 024977 FRAME: 0407 \$40.00 128/6

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PATENT REEL: 024977 FRAME: 0408

ASSIGNMENT

Whereas, the undersigned Inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") in:

Title of the Invention: DISK SCRUBBING

and further identified by the IBM Docket Number provided above in the header of this Assignment, for which an application for a United States Patent was executed concurrently herewith or was filed having:

Serial Number: 12/876, 130 (insert series code and serial number here if/when available)

Whereas, International Business Machines Corporation, a corporation of New York having a place of business at Armonk, New York (herein referred to as "IBM"), desires to acquire, and each undersigned Inventor desires to grant to IBM, the entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto:

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned Inventor ("ASSIGNOR") hereby sells, assigns, and otherwise transfers to IBM (the "ASSIGNEE"), its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned Inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to IBM, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by IBM, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned Inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in IBM, its successors, legal representatives. and assigns, whenever requested by IBM, its successors, legal representatives, or assigns.

| | Executed by Inventor 1 | | |
|------------|--|--|--|
| Signature: | ANDOSPAL Date: 25th Aug 2010 ABHINAY R. NAGPAL | | |
| | Executed by Inventor 2 | | |
| Signature: | SANDEEP R. PATIL | | |
| | Executed by Inventor 3 | | |
| Signature: | DHAVAL K. SHAH | | |
| | Executed by Inventor 4 | | |
| Signature: | YAN W. STEIN | | |

Page 2 of 2

IBM DOCKET NUMBER: IN920100035US1

ASSIGNMENT

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| | Executed by In | ventor 1 | |
|--|-------------------|-------------------|------------------|
| Signature: | ABHINAY R. NAGPAL | Date: | |
| SANOES SOARIA A processor processor a security so the second of the seco | Executed by In | ventor 2 | Marie May E. Ho. |
| Signature: | SANDEEP R. PATIL | Date: 24 Aug 2010 | |
| | Executed by In | ventor 3 | 45 - 4 - 5 - 5 |
| Signature: | DHAVAL K. SHAH | Date: | |
| | Executed by In- | ventor 4 | geng gerrag, sa |
| Signature: | YAN W. STEIN | Date: | |

IBM DOCKET NUMBER: IN920100035USI

ASSIGNMENT

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| Executed by Inventor 1 | | |
|---|---------------------------------|--|
| Signature: | ABHINAY R. NAGPAL | |
| Total Control of the | Executed by Inventor 2 | |
| Signature: | Date:Date: | |
| *************************************** | Executed by Inventor 3 | |
| Signature: | Date: 318/2010 Date: 31/8/2010 | |
| | Executed by Inventor 4 | |
| Signature: | YAN W. STEIN | |

IBM DOCKET NUMBER: IN920100035US1

<u>ASSIGNMENT</u>

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Serial Number: 12 | 876,130 (insert series code and serial number here if/when available)

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| | Executed by Inventor 1 | | |
|---|------------------------------|----------|---|
| Signature: | ABHINAY R. NAGPAL | Date: | |
| *************************************** | Executed by Inv | entor 2 | #H-W-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A- |
| Signature: | SANDEEP R. PATIL | Date: | |
| | Executed by Inv | centor 3 | |
| Signature: | DHAVAL K. SHAH | Date: | |
| • | Executed by Inv | rentor 4 | |
| Signature: | Jaggar Sterl VAN W. STEIN | Date: | |