

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

|  |   |
|--|---|
| SUBMISSION TYPE:   | NEW ASSIGNMENT                              |
| NATURE OF CONVEYANCE:  | ASSIGNMENT                                  |
| <b>CONVEYING PARTY DATA</b>  |   |
| <b>Name</b>  | <b>Execution Date</b>                       |
| Pradipta De  | 08/18/2011                                  |
| Manish Gupta   | 08/18/2011                                  |
| Manoj Soni   | 08/18/2011                                  |
| Aditya Thatte  | 08/18/2011                                  |
| <b>RECEIVING PARTY DATA</b>  |   |
| <b>Name:</b>   | International Business Machines Corporation |
| <b>Street Address:</b>   | New Orchard Road                            |
| <b>City:</b>   | Armonk                                      |
| <b>State/Country:</b>  | NEW YORK                                    |
| <b>Postal Code:</b>  | 10504                                       |
| <b>PROPERTY NUMBERS Total: 1</b>   |   |
| <b>Property Type</b>   | <b>Number</b>                               |
| Application Number:  | 13214491                                    |
| <b>CORRESPONDENCE DATA</b>   |   |
| Fax Number:  | (203)255-6570                               |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> |   |
| Phone:   | 203-255-6560                                |
| Email:   | car@rml-law.com                             |
| Correspondent Name:  | RYAN, MASON & LEWIS, LLP                    |
| Address Line 1:  | 1300 POST ROAD                              |
| Address Line 2:  | SUITE 205                                   |
| Address Line 4:  | FAIRFIELD, CONNECTICUT 06824                |
| ATTORNEY DOCKET NUMBER:  | IN920110172US1                              |
| NAME OF SUBMITTER:   | Michael J. Cooper                           |
| Total Attachments: 6   |   |

CH \$40.00 13214491

**501633559**

**PATENT**  
**REEL: 026785 FRAME: 0137**

source=IN920110172US1\_FiledAssignment\_08222011#page1.tif  
source=IN920110172US1\_FiledAssignment\_08222011#page2.tif  
source=IN920110172US1\_FiledAssignment\_08222011#page3.tif  
source=IN920110172US1\_FiledAssignment\_08222011#page4.tif  
source=IN920110172US1\_FiledAssignment\_08222011#page5.tif  
source=IN920110172US1\_FiledAssignment\_08222011#page6.tif

RECORDATION FORM COVER SHEET  
PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
**Pradipta De, Manish Gupta, Manoj Soni and Aditya Thatte**  
Additional name(s) of conveying party(ies) attached?  
Yes X No

2. Name and address of receiving party(ies)  
Name: **International Business Machines Corporation**  
Internal Address:

3. Nature of conveyance:  
X Assignment           Merger  
     Security Agreement           Change of Name  
     Other  
Execution Date: **August 18, 2011, August 18, 2011, August 18, 2011, August 18, 2011**


Street Address: **New Orchard Road**  
City: **Armonk**      State: **NY**      ZIP: **10504**  
Additional name(s) & address(es) attached?      Yes X No

4. Application number(s) or patent number(s):  
If this document is being filed together with a new application, the execution date of the application is:  
A. Patent Application No.(s) **13/214,491** Filed **August 18, 2011**      B. Patent No.(s)  
Additional numbers attached?      Yes X No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: **Michael J. Cooper**  
Internal Address: **Ryan, Mason & Lewis, LLP**  
Street Address: **1300 Post Road, Suite 205**  
City: **Fairfield** State: **CT** ZIP: **06824**

6. Total number of applications and patents involved:      **1**  
7. Total Fee (37 CFR 3.41)..... \$      **40.00**  
     Enclosed  
X Authorized to be charged to deposit account  
8. Deposit account number **50-0510**

DO NOT USE THIS SPACE

9. Statement and signature.  
*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*  
**Michael J. Cooper**            **August 22, 2011**  
Reg. No. **57,749**      Signature      Date  
Total number of pages including cover sheet, attachments, and document:      **6**

Do not detach this portion  
Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents and Trademarks  
Box Assignments  
Washington, DC 20231  
Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, DC, 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, DC 20503.

IN920110172US1

**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: **RAPID PROVISIONING OF VIRTUAL MACHINES BASED ON MULTI-DIMENSIONAL USER REQUEST PATTERNS IN A CLOUD**

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: \_\_\_\_\_.

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.

Each undersigned Inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to IBM and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned Inventor also hereby grants IBM, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent application Serial Number) which may be necessary or desirable for recordation of this Assignment. This Assignment is governed by the substantive laws of the State of New York, and any disputes will be resolved in a New York state court or federal court sited in New York.

Executed by Inventor 1 of 4

---

Signature: Pradipta De Date: 18-Aug-2011  
Pradipta De

Executed by Inventor 2 of 4

---

Signature: Manish Gupta Date: 18 Aug 2011  
Manish Gupta

IBM DOCKET NUMBER: IN920110172US1

Executed by Inventor 3 of 4

---

Signature: Manoj Soni Date: 18 Aug 2011  
Manoj Soni

IBM DOCKET NUMBER: IN920110172US1

Executed by Inventor 4 of 4

---

Signature:   
Aditya Thatte

Date: 18-Aug-2011

Page 5 of 5