

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Pradip Bose</td> <td>03/17/2011</td> </tr> <tr> <td>Alper Buyuktosunoglu</td> <td>03/17/2011</td> </tr> <tr> <td>Canturk Isci</td> <td>03/21/2011</td> </tr> <tr> <td>Jeff Kephart</td> <td>03/18/2011</td> </tr> <tr> <td>Xiaoqiao Meng</td> <td>03/18/2011</td> </tr> <tr> <td>Ruhi Sarikaya</td> <td>03/17/2011</td> </tr> </tbody> </table>		Name	Execution Date	Pradip Bose	03/17/2011	Alper Buyuktosunoglu	03/17/2011	Canturk Isci	03/21/2011	Jeff Kephart	03/18/2011	Xiaoqiao Meng	03/18/2011	Ruhi Sarikaya	03/17/2011
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RECEIVING PARTY DATA															
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>International Business Machines Corporation</td> </tr> <tr> <td>Street Address:</td> <td>New Orchard Road</td> </tr> <tr> <td>City:</td> <td>Armonk</td> </tr> <tr> <td>State/Country:</td> <td>NEW YORK</td> </tr> <tr> <td>Postal Code:</td> <td>10504</td> </tr> </table>		Name:	International Business Machines Corporation	Street Address:	New Orchard Road	City:	Armonk	State/Country:	NEW YORK	Postal Code:	10504				
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Street Address:	New Orchard Road														
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State/Country:	NEW YORK														
Postal Code:	10504														
PROPERTY NUMBERS Total: 1															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13052616</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13052616										
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Application Number:	13052616														
CORRESPONDENCE DATA															
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:	YOR920100657US1														

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PATENT
REEL: 025991 FRAME: 0411

NAME OF SUBMITTER:

Michael J. Cooper

Total Attachments: 8

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(Rev. 6-93)

Patent and

Trademark Office

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

1. Name of conveying party(ies):

Pradip Bose, Alper Buyuktosunoglu, Canturk
Isci, Jeff Kephart, Xiaoqiao Meng and Ruhi
Sarikaya

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:

Street Address: New Orchard Road

City: Armonk State: NY ZIP: 10504

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

3. Nature of conveyance:

X Assignment ___ Merger
___ Security Agreement ___ Change of Name
___ Other

Execution Date: March 17, 2011, March 17, 2011,
March 21, 2011, March 18, 2011, March 18, 2011,
March 17, 2011

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) 13/052,616 Filed March 21, 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: 17. Total Fee (37 CFR 3.41)..... \$ 40.00

___ Enclosed

X Authorized to be charged to deposit account

8. Deposit account number 50-0510

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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

Reg. No. 57,749



Signature

March 21, 2011

Date

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Commissioner of Patents and Trademarks

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YOR920100657US1

PATENT

REEL: 025991 FRAME: 0413

IBM DOCKET NUMBER: YOR920100657US1

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: **VIRTUALIZED ABSTRACTION WITH BUILT-IN DATA ALIGNMENT
AND SIMULTANEOUS EVENT MONITORING IN PERFORMANCE COUNTER BASED
APPLICATION CHARACTERIZATION AND TUNING**

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: 13/052,616

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.

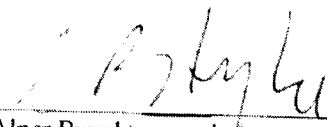
IBM DOCKET NUMBER: YOR920100657US1

Executed by Inventor 1 of 6

Signature: Pradip Bose Date: March 17, 2011
Pradip Bose

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Executed by Inventor 2 of 6

Signature:  Date: 03/17/2011
Alper Buyuktosunoglu

IBM DOCKET NUMBER: YOR920100657US1

Executed by Inventor 3 of 6

Signature: _____

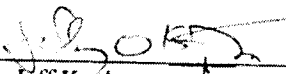
Canturk Isci

Date: _____

03/21/2011

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Executed by Inventor 4 of 6

Signature:  Date: March 18, 2011
Jeff Kephart

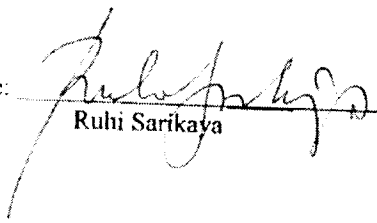
IBM DOCKET NUMBER: YOR920100657US1

Executed by Inventor 5 of 6

Signature: Xiaoqiao Meng Date: 03/18/2011
Xiaoqiao Meng

IBM DOCKET NUMBER: YOR920100657US1

Executed by Inventor 6 of 6

Signature: 

Ruhi Sarikaya

Date: 03/17/11