

## PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Erik Bartholomy</td> <td>10/27/2012</td> </tr> <tr> <td>Christopher P. Evans</td> <td>10/31/2012</td> </tr> <tr> <td>Frank J. Giordano</td> <td>10/30/2012</td> </tr> <tr> <td>Gordan G. Greenlee</td> <td>10/26/2012</td> </tr> <tr> <td>Paul W. Novak</td> <td>10/30/2012</td> </tr> <tr> <td>Richard J. Sheftic</td> <td>10/29/2012</td> </tr> <tr> <td>Victor L. Walter</td> <td>10/29/2012</td> </tr> </tbody> </table>		Name	Execution Date	Erik Bartholomy	10/27/2012	Christopher P. Evans	10/31/2012	Frank J. Giordano	10/30/2012	Gordan G. Greenlee	10/26/2012	Paul W. Novak	10/30/2012	Richard J. Sheftic	10/29/2012	Victor L. Walter	10/29/2012
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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																	
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13665574</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13665574												
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CORRESPONDENCE DATA																	
Fax Number:	5184490047																
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
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Address Line 4:	Albany, NEW YORK 12207																
ATTORNEY DOCKET NUMBER:	END920110261US1																

CH \$40.00 13665574

NAME OF SUBMITTER:	Hunter E. Webb
	This document serves as an Oath/Declaration (37 CFR 1.63).
<p><b>Total Attachments: 14</b></p> <p>source=END920110261US1_Signed_Declaration-Assignment_10-31-2012#page1.tif source=END920110261US1_Signed_Declaration-Assignment_10-31-2012#page2.tif source=END920110261US1_Signed_Declaration-Assignment_10-31-2012#page3.tif source=END920110261US1_Signed_Declaration-Assignment_10-31-2012#page4.tif source=END920110261US1_Signed_Declaration-Assignment_10-31-2012#page5.tif source=END920110261US1_Signed_Declaration-Assignment_10-31-2012#page6.tif source=END920110261US1_Signed_Declaration-Assignment_10-31-2012#page7.tif source=END920110261US1_Signed_Declaration-Assignment_10-31-2012#page8.tif source=END920110261US1_Signed_Declaration-Assignment_10-31-2012#page9.tif source=END920110261US1_Signed_Declaration-Assignment_10-31-2012#page10.tif source=END920110261US1_Signed_Declaration-Assignment_10-31-2012#page11.tif source=END920110261US1_Signed_Declaration-Assignment_10-31-2012#page12.tif source=END920110261US1_Signed_Declaration-Assignment_10-31-2012#page13.tif source=END920110261US1_Signed_Declaration-Assignment_10-31-2012#page14.tif</p>	

**DECLARATION (37 C.F.R. 1.63) FOR UTILITY PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT**

Title of Invention: **VIRTUALIZATION SIMULATION ENGINE**

As a below named inventor, I hereby declare that:

This declaration is directed to the attached application, or (if following box is checked):

United States application or PCT international application number 13/665,574  
filed on October 31, 2012.

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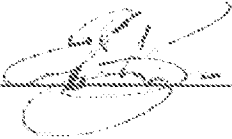
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Signature:  Date: 10-27-12

(2) Legal Name of Inventor: Christopher P. Evans

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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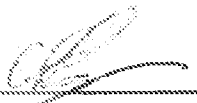
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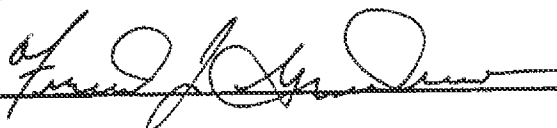
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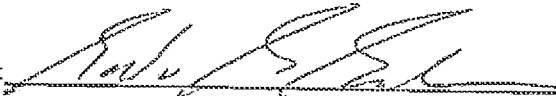
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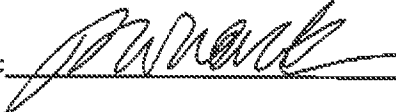
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Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor ("ASSIGNOR") hereby sells or has sold, assigns or has assigned, and otherwise transfers or has transferred 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

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I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

(1) Legal Name of Inventor: Erik Bartholomy

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(2) Legal Name of Inventor: Christopher P. Evans

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(3) Legal Name of Inventor: Frank J. Giordano

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(4) Legal Name of Inventor: Gordon G. Greenlee

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(5) Legal Name of Inventor: Paul W. Novak

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(6) Legal Name of Inventor: Richard J. Sheffie

Signature: Richard J. Sheffie Date: 10/29/2012

(7) Legal Name of Inventor: Victor L. Waller

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**DECLARATION (37 C.F.R. 1.63) FOR UTILITY PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT**

Title of Invention: **VIRTUALIZATION SIMULATION ENGINE**

As a below named inventor, I hereby declare that:

This declaration is directed to the attached application, or (if following box is checked):

United States application or PCT international application number 13/665,574  
filed on October 31, 2012.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR Section 1.56.

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(7) Legal Name of Inventor: Victor L. Walter

Signature: Victor L. Walter Date: 10/29/2012