503158955 01/30/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3205569

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
OLIVER J. BEACOM	01/27/2015
JOHN W. BELL	01/26/2015
PAUL C. JONES	01/26/2015
JAMES S. LUKE	01/25/2015
LUKE MORGAN	01/30/2015
ROYSTON W. SHUFFLEBOTHAM	01/26/2015
MARK L. TODD	01/26/2015

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:	14609699

CORRESPONDENCE DATA

Fax Number: (301)762-4056

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 301-424-3640 Email: je@usiplaw.com

Correspondent Name: EDELL, SHAPIRO & FINNAN, LLC Address Line 1: 9801 WASHINGTONIAN BOULEVARD

Address Line 2: SUITE 750

Address Line 4: GAITHERSBURG, MARYLAND 20878

ATTORNEY DOCKET NUMBER:	GB920140150US1/0920.0382C
NAME OF SUBMITTER:	ANDREW J. ALDAG
SIGNATURE:	/Andrew J. Aldag/
DATE SIGNED:	01/30/2015

503158955 PATENT REEL: 034852 FRAME: 0009

This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 21

source=GB920140150US1 ExecutedAssignmentDeclaration#page1.tif source=GB920140150US1 ExecutedAssignmentDeclaration#page2.tif source=GB920140150US1 ExecutedAssignmentDeclaration#page3.tif source=GB920140150US1 ExecutedAssignmentDeclaration#page4.tif source=GB920140150US1 ExecutedAssignmentDeclaration#page5.tif source=GB920140150US1 ExecutedAssignmentDeclaration#page6.tif source=GB920140150US1 ExecutedAssignmentDeclaration#page7.tif source=GB920140150US1_ExecutedAssignmentDeclaration#page8.tif source=GB920140150US1_ExecutedAssignmentDeclaration#page9.tif source=GB920140150US1 ExecutedAssignmentDeclaration#page10.tif source=GB920140150US1 ExecutedAssignmentDeclaration#page11.tif source=GB920140150US1_ExecutedAssignmentDeclaration#page12.tif source=GB920140150US1 ExecutedAssignmentDeclaration#page13.tif source=GB920140150US1 ExecutedAssignmentDeclaration#page14.tif source=GB920140150US1 ExecutedAssignmentDeclaration#page15.tif source=GB920140150US1_ExecutedAssignmentDeclaration#page16.tif source=GB920140150US1 ExecutedAssignmentDeclaration#page17.tif source=GB920140150US1 ExecutedAssignmentDeclaration#page18.tif source=GB920140150US1 ExecutedAssignmentDeclaration#page19.tif source=GB920140150US1_ExecutedAssignmentDeclaration#page20.tif source=GB920140150US1 ExecutedAssignmentDeclaration#page21.tif

> PATENT REEL: 034852 FRAME: 0010

Title of Invention: REDUCING A LARGE AMOUNT OF DATA TO A SIZE AVAILABLE FOR INTERACTIVE ANALYSIS

As a below named and undersigned inventor, I hereby declare that:

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

[X] United States application or PCT international application number 14/609,699 filed on January 30, 2015

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.

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Whereas, I ("ASSIGNOR") have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") disclosed in the above-identified patent application and further identified by the IBM Docket Number provided above in the header of this document;

Whereas, International Business Machines Corporation (herein referred to as the "ASSIGNEE"), a corporation of New York having a place of business at Armonk, New York, desires to acquire, and I desire to grant to the ASSIGNEE, my 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, I hereby sells or have sold, assign or have assigned, and otherwise transfer or have transferred to the ASSIGNEE, its successors, legal representatives, and assigns, my 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, I hereby authorize and request 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 the ASSIGNEE, its successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and to the same to be held and enjoyed by the ASSIGNEE, 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 me had this Assignment not been made; and I agree 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 the ASSIGNEE, its successors, legal representatives, and assigns, whenever requested by the ASSIGNEE, its successors, legal representatives, or assigns.

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(1)	Legal Name of Inventor: Oliver J. Beacom	
	Signature:	Date: Jan 27,2015
(2)	Legal Name of Inventor: John W. Bell	
gen il	Signature:	 Date:
(3)	Legal Name of Inventor: Paul C. Jones	
	Signature:	 . Datë:
(4)	Logal Name of Inventor; James S. Luke	
	Signature:	Date:

Page 2 of 3

(5)	Legal Name of Inventor;	Luke Morgan	
	Signature:		Date:
(6)	Legal Name of Inventor:	Royston W. Shufflebotham	
	Signature:		Date:
(7)	Legal Name of Inventor:	Mark L. Todd	
	Signature;		- Date:

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	Signstore:	Date:
(2)	Legal Name of Inventor: John W. Bell	
	5)gowwe: <u></u>	Direc <u>1-34-145</u>
(3)	Legal Name of Inventor: Paul C. Jones	
	Signature:	Date:
(4)	Legal Name of Inventor: James S. Loke	
	Ciananan	Data

(5)	Legal Name of Inventor:	Luke Morgan	
	Signature:		Date:
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	Signature:	Date:
(2)	Legal Name of Inventor: John W. Bell	
	Signature:	_Date:
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(4)	Legal Name of Inventor: James S. Luke	
	Signature:	Date:

(5)	Legal Name of Inventor: Luke Morgan	
	Signature:	Date:
(6)	Legal Name of Inventor: Royston W. Shufflebotham	
	Signature:	. Date:
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PATENT

REEL: 034852 FRAME: 0021

(5)	Legal Name of Inventor:	Luke Morgan	
	Signature:		Date:
(6)	Legal Name of Inventor:	Royston W. Shufflebotham	
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	Signature: J. J. J.	Date: <u>30.01. 2</u> 0
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Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, I hereby sells or have sold, assign or have assigned, and otherwise transfer or have transferred to the ASSIGNEE, its successors, legal representatives, and assigns, my 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, I hereby authorize and request 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 the ASSIGNEE, its successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and to the same to be held and enjoyed by the ASSIGNEE, 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 me had this Assignment not been made; and I agree 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 the ASSIGNEE, its successors, legal representatives, and assigns, whenever requested by the ASSIGNEE, its successors, legal representatives, or assigns.

I acknowledge my prior and ongoing obligations to sell, assign, and transfer my rights under this Assignment to the ASSIGNEE and am unaware of any reason why I may not have the full and unencumbered right to sell, assign, and transfer my rights hereby sold, assigned, and transferred, and have not executed, and will not execute, any document or instrument in conflict herewith. I also hereby grant the ASSIGNEE, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application 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.

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.

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