503136178 01/14/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3182788

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RAVI P. BANSAL	01/09/2015
RICK A. HAMILTON II	01/08/2015
ANDREW R. JONES	01/08/2015
BRIAN M. O'CONNELL	01/14/2015
KEITH R. WALKER	01/08/2015

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:	14596729	

CORRESPONDENCE DATA

Fax Number: (832)415-9359

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: 281-973-5342

Email:notices@rolnikiplaw.comCorrespondent Name:IBM CORP. (END/RCR)Address Line 1:C/O ROLNIK LAW FIRM, P.C.

Address Line 2: 24 N. MAIN ST.

Address Line 4: KINGWOOD, TEXAS 77339

ATTORNEY DOCKET NUMBER:	END920100070US2
NAME OF SUBMITTER:	BOBBIE LONGORIA
SIGNATURE:	/Bobbie Longoria/
DATE SIGNED:	01/14/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT REEL: 034709 FRAME: 0675

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Total Attachments: 15 source=END920100070US2_Assignment-Declaration_01-14-15#page1.tif source=END920100070US2 Assignment-Declaration 01-14-15#page2.tif source=END920100070US2 Assignment-Declaration 01-14-15#page3.tif source=END920100070US2 Assignment-Declaration 01-14-15#page4.tif source=END920100070US2 Assignment-Declaration 01-14-15#page5.tif source=END920100070US2 Assignment-Declaration 01-14-15#page6.tif source=END920100070US2 Assignment-Declaration 01-14-15#page7.tif source=END920100070US2 Assignment-Declaration 01-14-15#page8.tif source=END920100070US2 Assignment-Declaration 01-14-15#page9.tif source=END920100070US2 Assignment-Declaration 01-14-15#page10.tif source=END920100070US2_Assignment-Declaration_01-14-15#page11.tif source=END920100070US2 Assignment-Declaration 01-14-15#page12.tif source=END920100070US2 Assignment-Declaration 01-14-15#page13.tif source=END920100070US2_Assignment-Declaration_01-14-15#page14.tif source=END920100070US2_Assignment-Declaration_01-14-15#page15.tif

PATENT REEL: 034709 FRAME: 0676

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: FEEDBACK MECHANISM

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):
[] United States application or PCT international application numberfiled on
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.

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 sell 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.

(1)	Legal Name of Inventor: Ravi P. Bansal		
	Signature: Roy NS mod	Date:	01/09/20
(2)	Legal Name of Inventor: Rick A. Hamilton II		
	Signature:	Date:	
(3)	Legal Name of Inventor: Andrew R. Jones		
	Signature:	Date:	
(4)	Legal Name of Inventor: Brian M. O'Connell		
	Signature:	Date:	

(5) Legal Name of Inventor: Keith R. Walker	egal Name of Inventor: Keith R. Walker	
Signature:	Date:	

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(1) Legal Name of Inventor: Ravi P. Bansal	
Signature:	Date:
(2) Legal Name of Inventor: Rick A. Hamilton II	
Signature 3 Sect A A - H	Date: 1/8/15
(3) Legal Name of Inventor: Andrew R. Jones	
Signature:	Date:
(4) Legal Name of Inventor; Brian M. O'Connell	
Signature:	Date:

(5)	Legal Name of inventor: Keith K. Walker	
	Signature:	Date:

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	Signature: All	Date: <u>4/08/24/5</u>
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	Signature:	Date:

(5)	Legal Name of Inventor: Keith R. Walker		
	Signature:	Date:	

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	Signature: _ M O Comme	Date: 1/17/2015-

(5) Legal Name of	Inventor:	Keith R.	Walker
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Signature:	Date:

IBM DOCKET NUMBER: END9201000701352

DECLARATION (37 C.F.R. L63) FOR UTILITY PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. L76) AND ASSIGNMENT

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	Signature:	Date:
(4)	Legal Name of Inventor; Brian M. O'Connell	
	Sionstine	Notes

Signature: KU K. VAL	Date: Jan. 8,204

(5) Legal Name of Inventor: Keith R. Walker

Page 3 of 3

PATENT REEL: 034709 FRAME: 0691