PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3992663

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HATIM AHMED	12/11/2013
ALI A.S.A. ELGAMAL	12/11/2013
HISHAM E. ELSHISHINY	12/11/2013
MAHMOUD RASHAD IBRAHIM	12/11/2013

RECEIVING PARTY DATA

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State/Country:	NEW YORK
Postal Code:	10504

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15228230

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ATTORNEY POOKET NUMBER		
ATTORNEY DOCKET NUMBER: GB920130120US3		
NAME OF SUBMITTER: ISAAC J. GOOSHAW		
SIGNATURE: /Isaac J. Gooshaw/		
DATE SIGNED:	08/04/2016	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 8

PATENT REEL: 039342 FRAME: 0418

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PATENT REEL: 039342 FRAME: 0419

Title of Invention: VERIFICATION OF BACKWARD COMPATIBILITY OF SOFTWARE COMPONENTS

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
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, the undersigned inventor(s) has/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, 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 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 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 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.

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(1) Legal Name of Inventor: Hatim Ahmed

(1) Zegarriame (
Signature:(Hatim Ahmed	Date: December 11th,	2013
(2) Legal Name of	of Inventor: Ali A.S.A. Elgamal		
Signature:		Date:	
(3) Legal Name (of Inventor: Hisham E. Elshishiny		
Signature:		Date:	
(4) Legal Name of	of Inventor: Mahmoud Rashad Ibrahi	m	
G:		D .	

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IBM DOCKET NUMBER GB920130120US1

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(1) Legal Name of Inventor: Hatim Ahmed	
Signature:	Date:
(2) Legal Name of Inventor: Ali A.S.A. Elgamal	
Signature: Ali A. Sl Comal	Date: December 11th, 2013
(3) Legal Name of Inventor: Hisham E. Elshishiny	
Signature:	Date:
(4) Legal Name of Inventor: Mahmoud Rashad Ibrahir	n
Signature:	Date:

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(1) Legal Name of Inventor: Hatim Ahmed

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	Signature:	Date:
(2)	Legal Name of Inventor: Ali A.S.A. Elgamal	
	Signature:	Date:
(3)	Legal Name of Inventor: Hisham E. Elshishiny	
	Signature: Hishan ElShishung	Date: December 11 2003
(4)	Legal Name of Inventor: Mahmoud Rashad Ibrahim	
	Signature	Date

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Signature:	ek nga ayab a nakabala ka mala ka ayab nakaban ka
	, garagot ga koga ing sa taga paggala gaparaning sampaganin sa taganggalan di kasaran. Mila
2) Legal Name o	f Inventor: Ali A.S.A. Elgamai
overen i Brita.	
Signature:	and and the electric expension of the electric education and an electric definition of the file was Date:
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S. Emmal Manage of	f Inventor: Hisham E. Elshishiny
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	Firmantar Mahmand Rachad Intahin
l) Legal Name o	f inventor: Mahmoud Rashad Ibrahim
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4) Legai Name o Signature: <u> </u>	ahmayal Rafad Ibarhin Date: De Comber II
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i) Legal Name o Signature: <u>//</u>	ahmud Pashad Isarhim Date: De Gender II
.) Legal Name o Signature: <u>//</u>	ahmuu Nashad Isahim — pate: <u>De Gesber I</u>
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Page 2 of 2

PATENT REEL: 039342 FRAME: 0427

RECORDED: 08/04/2016