504553117 09/19/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHRISTOPHER J. HOCKINGS	03/30/2017
BUDI MULYONO	03/30/2017
SUMANA S. NARASIPUR	03/30/2017
CODUR S. PRANAM	03/27/2017

RECEIVING PARTY DATA

Name:	INTERNATIONAL BUSINESS MACHINES CORPORATION		
Street Address:	NEW ORCHARD ROAD		
City:	ARMONK		
State/Country:	NEW YORK		
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15708167

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	AU920160047US02
NAME OF SUBMITTER:	GILBERT HARMON, JR.
SIGNATURE:	/Gilbert Harmon, Jr./
DATE SIGNED:	09/19/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

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PATENT REEL: 043618 FRAME: 0709

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> PATENT REEL: 043618 FRAME: 0710

IBM DOCKET NEMBER: AT 920160047838

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

TITLE OF INVENTION: ENHANCED DATA LEAKAGE DETECTION IN CLOUD SERVICES

Asab	low named	l and undersi	ened invent	я, I bereby	declare	thar:				
This de	claration is	directed to t	be attached	application.	or (if fi	ollowing	box is c	recked.		
[]Uni filed or	ted States a	pplication of	PCT intern	ational appl	kation.	number_				
The abi	we-identifi	ed applicatio	n was made	or authoriza	to be	made by	me.			

I believe that I am the original inventor or an original point 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 therein reterred 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 (berein referred to as the "ASSIGNEE") a corporation of New York having a place of business at Armonic 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 ASSIONEE, its successors, legal representatives, and assigns, my eather workfords 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 at 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 are foreign patent, granted for the Invention, to the ASSIGNEE, its successors, legal representatives, and assigns, my entire worlds ide right, little, 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 tawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all telated 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 manafer my rights under this

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PATENT REEL: 043618 FRAME: 0711

IBM DOCKET NUMBER: AL 920160047[8]

Assignment to the ASSKONEE and am unaware of any reason why I may not have the full and unexcumbered right to sell, useign, and transfer my rights hereby sold, essents, and transferred, and have not executed, and will not execute, any document or instrument in control between. I also berefy the ASSKONEE, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to patent Application Sumber) 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 recovered in a New York state of selection of the State of 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

(1) Legal Name of Inventor	Christopher J. Hockings		
Signature		Date 30-3-	17
(2) Legal Name of Inventor	Budi Mulyono		
Signature:		Date	
(3) Legal Name of Inventor:	Sumana S. Narasipur		
Signature:		Date	
(4) Legal Name of Inventor.	Codur S. Pranam		
Stenanice			

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REEL: 043618 FRAME: 0712

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: ENHANCED DATA LEAKAGE DETECTION IN CLOUD SERVICES

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 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, 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

PATENT REEL: 043618 FRAME: 0713

IBM DOCKET NUMBER: AU920160047US1

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.

(1) Legal Name of Inventor: Christopher J. Hockings

Signature:			Date:	
				4 9
(2) Legal Name of I	nventor: Budi Mulyono			
	(C) (
Signature:			Date:	<u>30 /03 /20</u> 1
(3) Legal Name of I	nventor: Sumana S. Nar	asipur		
Signature:	Same		Date:	90/03/2017
(4) Legal Name of I	nventor: Codur S. Prana	am (
***		and the same of th		27th Mar 2017
Signature:			Date:	Z10111108 Z011

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RECORDED: 09/19/2017