PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3549034

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TOMASZ HANUSIAK	09/22/2015
MICHAL KLAK	09/19/2015
KONRAD W. KOMNATA	09/21/2015
KONRAD K. SKIBSKI	09/20/2015

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:	14870213

CORRESPONDENCE DATA

Fax Number: (845)892-6363

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: 512-286-6183

Email: fdciplaw@us.ibm.com

IBM CORP. - FISHKILL DRAFTING CENTER **Correspondent Name:**

Address Line 1: 11501 BURNET ROAD Address Line 4: AUSTIN, TEXAS 78758

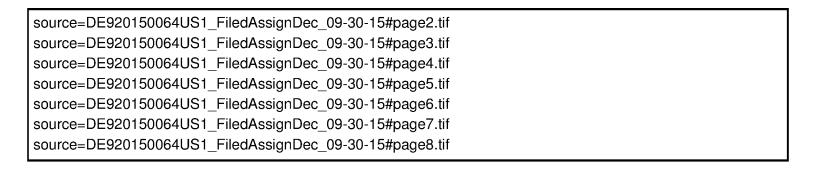
ATTORNEY DOCKET NUMBER:	DE920150064US1
NAME OF SUBMITTER:	TEDDI E. MARANZANO
SIGNATURE:	/Teddi E. Maranzano/
DATE SIGNED:	09/30/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 8

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PATENT REEL: 036690 FRAME: 0305

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PATENT REEL: 036690 FRAME: 0306

[BRI DOCKET NUMBER: DE930150064151

DECLARATION OF C.F.B. L63) FOR UTILITY PATENT APPLICATION USING AN APPLICATION DATA SHEET OF C.F.B. L76) AND ASSIGNMENT

Table of Investment | SOFTWARE BUNDLE DETECTION

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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 coments of the application, including the claims.

Lam aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to putentiability 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 Dacket 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 beneby acknowledged. I bereby sell or base sold, assign or have assigned, and otherwise transfer or base 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 gramed therefore in the United States and in all foreign countries and jurisdictions, including all divisions. continuations, reasons, recuminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such potents. In addition, I hereby authorize and request the Director of the United States Potent 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

IBM DOCKET NUMBER, DES20158864[8]

related patents and applications, in the ASSIGNEE, its successors, legal representatives, and assigns, wherever requested by the ASSIGNEE, its successors, legal representatives, or assigns.

Lacknewledge my prior and one-ong obligations to sell, aways, and transfer my rights under the Assignment to the ASSIGNEE and an unaware of any reason why I may not have the full and uncurambered right to well, 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 bereby grant the ASSIGNEE, its successor, legal representatives, and assigns the right to user in this Assignment any further identification (including but use limited to patent Application Number) which may be necessary or desirable for recondation of this Assignment. This Assignment is governed by the substantive laws of the State of New York, and any disputes will be received in a New York state court or instead out sheet 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, Tomasz Hanusiak	
Signature 1000 Side Tours	Dase: 22/09 201
(2) Legal Name of Inventor, Michal Klak	
Signature	Date:
(3) Legal Name of Inventor: Konrad W. Komnata	
Signature	Date:
i) Legal Name of Inventor: Komad K. Skibski	
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: SOFTWARE BUNDLE DETECTION

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.
believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
have reviewed and understand the contents of the application, including the claims.
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 therefore 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

Page 1 of 2

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.

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(1)	Legal Name of Inventor: Tomasz Hanusiak	
	Signature:	Date:
(2)	Legal Name of Inventor: Michal Klak	
	Signature:	Date: 19.09.20
(3)	Legal Name of Inventor: Konrad W. Komnata	
	Signature:	Date:
(4)	Legal Name of Inventor: Konrad K. Skibski	
	Signature:	Date:

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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,

(I)	Legal Name of Inventor: Tomasz Hanusiak	
	Signature:	Date;
(2)	Legal Name of Inventor: Michal Klak	
	Signature:	Date:
(3)	Legal Name of Inventor: Konrad W. Komnata	
	Signature: Lowrel Hommande	Date: 21.05.2015
(4)	Legal Name of Inventor: Konrad K. Skibski	
	Signature	Date:

DBC LARA DRIS (37 C.E.R. 1.63) FOR UTILITY PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 C.E.R. 1.76) AND ASSIGNMENT

TOWNS OF SOFTWARE BUNDLE DETECTION

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Statement of the Statem

Now, showing, for group and valuable consideration, the receipt and sufficiency thereof being hereby acknowledges). It hereby action have said, assign or base assigned, and otherwise transfer or have manufactures on the ANNA AND to the successions, legal representatives, and assigns, my entire worldwide ment and and more in and to the invention, the above identified United States patent application, and and and an other parent copie at one and parents for the Inscation which may be applied for or granted merenance in the County States and in all foreign countries and jurisdictions, including all discissors communities, recommendations reservate extensions, counterparts, substitutes, and extensions messor, and an rights of priority resulting from the filting of such applications and granting of such process, inconsistent interests authorize and respect the Director of the Linned States Patent and Conference Office to more use United States Patent, and foreign patent authorities to issue any foreign pages ground for the hormon, to the ASSKANE, its successors, legal representatives, and assigns, my and a seeklands sight, into, and interest to and to the same to be held and enjoyed by the ${\sf ASSIGNEE}_{BS}$ suggestions, legal representatives, and assigns to the full end of the terms for which any and all such page as may be granted as fully and emirely as would have been held and empryed by me had this Assessment and been made and I agree to execute any and all documents and instruments and perform all continues are resourced to related to recording this Assignment or perfecting talle to the Invention and all

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Local None of Inventor Tomasz Hanostak	
	Date:
2) Land Verse of Environment Michael Klock	
	Date:
 Legal Name of Inventor: Konrad W. Konmata 	
Signature	Date:
(4) Legal Name of Inventor: Konrad K. Skibski	
Signature <u>V 9 W</u>	Date <u>20,00</u> 2015

Page 2 of 2