PATENT ASSIGNMENT COVER SHEET

Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANTHONY T. BREW	06/09/2015
DONAGH S. HORGAN	06/09/2015
LOUISE K. NESTOR	06/10/2015
VIN TUAN THAI	06/09/2015

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14736514

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ATTORNEY DOCKET NUMBER:	GB920150029US1
NAME OF SUBMITTER:	WILLIAM H. HARTWELL
SIGNATURE:	/William H. Hartwell/
DATE SIGNED:	06/11/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).
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Total Attachments: 4

PATENT REEL: 035822 FRAME: 0340

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PATENT REEL: 035822 FRAME: 0341

DECLARATION OF CERCLASSFOR STREETS PATENT APPLICATION USING AN APPLICATION DATA SHEET OF CERCLIFO AND ASSICSMENT

Tale of Invention: GENERATING PROBLEM SIGNATURES FROM SNAPSHOTS OF TIME SERIES DATA

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Whereas, I. CANSIGNOR Thave made certain inventions, improvements, and discoveries (herein referred to as the "brownian" i disclosed in the above identified putert application and further identified by the IBM Docket Number provided above in the header of this document.

Whereas, International Dustices 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 a grant to the ASSIGNEE, my entire worldwide right, title, and interest in and to the Invention and in each to an and disputed applications and patents directed thereto.

Now therefore, for great and valuable consideration, the receipt and authorency thereof being bereby a knowledged. I benty sell of have sold, assign or base assigned, and otherwise transfer of have transferred to the ASSESTE in successors legal representatives, and actions, my come windowske right tide and interest in and is the Insentian, the above identified United States patent application, and any and all other potent applications and parents for the Invention which may be applied for or granted there is a the Course States and in all foreign committee and puredictions, including all discussors. communications are accommonly accommissions accommission commissions commissions and accommissions and accommissions and accommissions and accommissions are accommissions are accommissions and accommissions are accommissions and accommission and accommission are accommissional accommission and accommission and accommission are accommissional accommission and accommission are accommissional accommission and accommission are accommissional accommission and accommission accommission are accommissional accommission and accommission acc the rest and all rights of practic resulting from the filting of coats applications and granting of such possible. In addition, I hereby sufficient and request the Director of the United States Potent and of the California is to compare the contract of the California and the compare particular states which is some any features. such analytics for the color with ASSE MET. Its oncessors legal representatives, and proper me The second secon The state of the s procedures the granted to fully and controls as would have been held and expected by the bad this

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Therefore as knowledge that any willful take statement made in this declaration is provideable under 18 U.S.C. 1991 by the comprisonment of two axis clear time (5) years, or both.

(I) Legal Name	of laveour Andre	my 1. Hrew		
Signature			Pare 1	
2) Legal Name	Dense of Inventor Dense	gh S. Horgan		
Signature			Date	
(3) Legal Name	Louis Investor Louis	e K. Nestor		
Signature			Date	
an Legal Parae	Valority Valority	Tosa Thai		
Signature			Date	

IBM DOCKET NUMBER: GB920150029US1

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: GENERATING PROBLEM SIGNATURES FROM SNAPSHOTS OF TIME SERIES DATA

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.

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IBM DOCKET NUMBER: GB920150029US1

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.

(1) Legal Name of Inventor: Anthony T. Brew	
Signature:	Date:
(2) Legal Name of Inventor; Donagh S. Horgan	
Signature: Deal Ma	Date: <u>09 Jone 2015</u>
(3) Legal Name of Inventor: Louise K. Nestor	
Signature: Louise Nestone	Date: 10 34.08 2015
(4) Legal Name of Inventor: Vinh Tuan Thai	
Signature: 1/4-m	Date: 09 June 2015

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