06/13/2017 504410761

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4457461

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GAUTAM K. BHAT	06/08/2017
STACEY C. RAMOS	06/05/2017
GREGORY J. BOSS	05/31/2017
KEVIN C. MCCONNELL	05/31/2017
MINH Q. PHAM	06/07/2017

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:	15621339

CORRESPONDENCE DATA

Fax Number: (507)253-5334

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.

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Correspondent Name: IBM CORP-ROCHESTER DRAFTING CENTER

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ATTORNEY DOCKET NUMBER:	END920170130US1
NAME OF SUBMITTER:	MICHELLE SCHUSTER
SIGNATURE:	/Michelle Schuster/
DATE SIGNED:	06/13/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT REEL: 042693 FRAME: 0623 504410761

Total Attachments: 10 source=END920170130US1_SignedAssignment-Declaration#page1.tif source=END920170130US1_SignedAssignment-Declaration#page2.tif source=END920170130US1_SignedAssignment-Declaration#page3.tif source=END920170130US1_SignedAssignment-Declaration#page4.tif source=END920170130US1_SignedAssignment-Declaration#page5.tif source=END920170130US1_SignedAssignment-Declaration#page6.tif source=END920170130US1_SignedAssignment-Declaration#page7.tif source=END920170130US1_SignedAssignment-Declaration#page8.tif source=END920170130US1_SignedAssignment-Declaration#page9.tif source=END920170130US1_SignedAssignment-Declaration#page9.tif

PATENT REEL: 042693 FRAME: 0624

Title of Invention: SECURE COMMUNICATION WITH A TRAFFIC CONTROL SYSTEM

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 C.F.R. § 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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Therefore a translation of the first statement made in the declaration is provided to the first terms of the contract of the c

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Signature (
(2) Legal Name of The coor Stacky C. Ramios	
Ngnatur	Date
(3) Legal Name of twenty Gregory J. Box	
Signature	Date
(4) Lead Name of the case: Kevin C. McConnell	
	Date
Sy Legal Name of Invenior: Minh Q. Pham	
	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.

(1) Legal Name of Inventor: Gautam K. Bhat	
Signature:	Date:
(2) Legal Name of Inventor Stacey C. Ramos Signature:	—————————————————————————————————————
(3) Legal Name of Inventor Gregory J. Boss	
Signature:	Date
(4) Legal Name of Inventor, Kevin C. McConnell	
Signature	Date
(5) Legal Name of Inventor: Minh Q. Pham	

Page 2 of 2

Title of Invention: SECURE COMMUNICATION WITH A TRAFFIC CONTROL SYSTEM

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(1) Legal Name of Inventor: Gautam K. Bhat	
Signature:	Date:
(2) Legal Name of Inventor: Stacey C. Ramos	
Signature:	Date:
(3) Legal Name of Inventor: Gregory J. Boss Signature:	Date: 5/31/2017
(4) Legal Name of Inventor: Kevin C. McConnell	
Signature:	Date:
(5) Legal Name of Inventor: Minh Q. Pham	
Signature:	Date:

Title of Invention: SECURE COMMUNICATION WITH A TRAFFIC CONTROL SYSTEM

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Signature:	-9h/-	Date: 6 7 2017

Page 2 of 2