504150803 12/22/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HONG WEI DING	10/29/2015
HONG BO LI	10/22/2015
GANGGANG NIU	10/21/2015
BAOHUA WANG	10/20/2015
YONG QING XUE	10/26/2015
BO ZHANG	10/26/2015

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:	15387845

CORRESPONDENCE DATA

Fax Number: (607)429-4119

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: 914-766-0567

Email: Melissa.O'Donnell@ibm.com

Correspondent Name: IBM CORPORATION - ENDICOTT DRAFTING CENT

Address Line 1: 294 ROUTE 100 Address Line 2: P.O. BOX 100

Address Line 4: SOMERS, NEW YORK 10589-0100

ATTORNEY DOCKET NUMBER:	CN920150072US4
NAME OF SUBMITTER:	STEPHEN R. YODER
SIGNATURE:	/Stephen R. Yoder/
DATE SIGNED:	12/22/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT 41175 FRAME: 040

EPAS ID: PAT4197476

504150803 REEL: 041175 FRAME: 0408

Total Attachments: 6

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PATENT REEL: 041175 FRAME: 0409

18M DOCKET NUMBER: CN920150072US1

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: ENTITY LOCATION MANAGEMENT USING VEHICLE LOGISTICS INFORMATION

As a below named and undersigned inventor, I hereby declare that:	
This declaration is directed to the attached application, or (if following box is check	8d):
[] 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 invapplication.	ention in the
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 known to me to be material to patentability as defined in 37 CFR Section 1.56.	all information

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 (berein 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, communitions, 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 Lugree 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 parents and applications, in the ASSIGNEE, its successors, legal representatives, and assigns. whenever requested by the ASSIGNEE, its successors, legal representatives, or assigns,

Page 1 of 3

IBM DOCKET NUMBER: CN920150072USI

Lacknowledge 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 uncommbered 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.

Thereby acknowledge that any willful fulse 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 Invento	r: Hong Wei Ding			
á	Signature:	, 24		Date:	Z <u>= 6-2</u> 9
(2)	Legal Name of Invento	r: Hong Bo Li			
	Signature:	<u>, 4 11</u>		Dwe:	<u> 705-70-27</u>
(3)	Legal Name of Invento	r: Ganggang Nio			
1.	Signature:			Date:	
(4)	Legal Name of Invento	r: Baohua Wang			
	Signature: <u>B</u>	20lua_	any	Date:	2015: 10 20

IBM DOCKET NUMBER: CN920150072USI

(S) Legal Name of Inventor: Yong Qing Xue	
Signature: Slan Le	Dave: 2015./10/26
(6) Legal Name of Inventor; Be Zhang	***
Signature: C-34	Date: 7045/10/14

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[] United States application or PCT international application numberfiled on
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.

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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.

Page 1 of 3

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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: Hong Wei Ding	
	Signature:	Date:
(2)	Legal Name of Inventor: Hong Bo Li	
	Signature:	Date:
(3)	Legal Name of Inventor: Ganggang Niu	
	Signature: YAV-1977	Date: Oct. 21, 2015
(4)	Legal Name of Inventor: Baohua Wang	
	Signature:	Date:

IBM DOCKET NUMBER: CN920150072US1

(5) Legal Name of Inventor: Yong Qing Xue	
Signature:	Date:
(6) Legal Name of Inventor: Bo Zhang	
Signature	Date

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PATENT REEL: 041175 FRAME: 0415