08/26/2014 502951054

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2997652

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LI-JU CHEN	08/19/2014
JUN CHANG MA	08/26/2014
XIN SHENG MAO	08/20/2014
JIA TAN	08/26/2014
BO YANG	08/20/2014
XING FEI YANG	08/20/2014

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:	14469088

CORRESPONDENCE DATA

Fax Number: (512)306-1757

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: 5123061200

Email: jennifer@boiceip.com **Correspondent Name:** JAMES E. BOICE

3839 BEE CAVE ROAD Address Line 1:

Address Line 2: SUITE 201

Address Line 4: WEST LAKE HILLS, TEXAS 78746

ATTORNEY DOCKET NUMBER:	CN920130099US1
NAME OF SUBMITTER:	JAMES E. BOICE
SIGNATURE:	/James E. Boice/
DATE SIGNED:	08/26/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).

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REEL: 033625 FRAME: 0438 502951054

Total Attachments: 12 source=CN920130099US1_FiledAssignDec_08-26-14#page1.tif source=CN920130099US1_FiledAssignDec_08-26-14#page2.tif source=CN920130099US1_FiledAssignDec_08-26-14#page3.tif source=CN920130099US1_FiledAssignDec_08-26-14#page4.tif source=CN920130099US1_FiledAssignDec_08-26-14#page5.tif source=CN920130099US1_FiledAssignDec_08-26-14#page6.tif source=CN920130099US1_FiledAssignDec_08-26-14#page7.tif source=CN920130099US1_FiledAssignDec_08-26-14#page8.tif source=CN920130099US1_FiledAssignDec_08-26-14#page9.tif source=CN920130099US1_FiledAssignDec_08-26-14#page10.tif source=CN920130099US1_FiledAssignDec_08-26-14#page11.tif source=CN920130099US1_FiledAssignDec_08-26-14#page11.tif source=CN920130099US1_FiledAssignDec_08-26-14#page12.tif

PATENT REEL: 033625 FRAME: 0439

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: DEVELOPMENT, TEST AND DEPLOYMENT OF APPLICATIONS

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):

[X] United States application or PCT international application number 14/469,088 filed on August 26, 2014

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.

Lam 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 cell 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, logal 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 Lagree 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

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: Li-Ju Chen	
Signature: <u>L. J. C.</u>	Date: 20(4/08//7
(2) Legai Name of inventor: Jun Chang Ma	
Signature:	Date:
(3) Legal Name of Inventor: Xin Sheng Mao	
Signature:	Date:
(4) Legal Name of Inventor: Jiu Tan	
Signature:	Date:
(5) Legal Name of Inventor: So Yang	
Signature:	Date:

(5)	Legal Name of I	biventor Xing Fer	: Yang		
	Signature:			 Date:	

Page 3 of 3

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(1) Legal Name of Inventor: Li-Ju Chen	Legal Name of Inventor: Li-Ju Chen		
Signature:	Date:		
(2) Legal Name of Inventor: Jun Chang Ma			
Signature: <u> </u>	Date: <u>2514/8/26</u>		
(3) Legal Name of Inventor: Xin Sheng Mao			
Signature:	Date:		
(4) Legal Name of Inventor: Jia Tan			
Signature:	Date:		
(5) Legal Name of Inventor: Bo Yang			
Signature:	Date:		

(6) Legal Name of Inventor: Xing Fei Yang	
Signature:	Date:

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(i) Legal Nume of Inventor: Li-Ju Chen	
Signatore:	Daw:
(2) Jugal Name of Inventor Jun Chang Ma	
Signature	<u>/ Dato</u>
(3) Logal Name of Inventor. Xin Sheng Mac Sagnature: Mooo Xin Sheng Mac	8 - 3 - 18
Signature: (4) Legal Name of Intentor: Ra Tan	
Signaturë:	D380:
(5) Legal Narié éf Inversor. So Vang	
Signature: 2252	8we <u>2014 - 8 - 2</u> 3

(6) Legal Name of Inventor: Xing Fei Yang

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Signature:	Date:
(4) Legal Name of Inventor: Jia Tan	
Signature: Jia Taw	Date: 35544 - 6 ~ 26
(5) Legal Name of Inventor: Bo Yang	
Signature:	Date:

(6) Legal Name of Inventor: Xing Fei Yang	
Signature:	Date:

Page 3 of 3

RECORDED: 08/26/2014

PATENT REEL: 033625 FRAME: 0451