07/31/2017 504481675

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4528377

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SI BIN FAN	03/02/2015
JUN HUA GAO	03/02/2015
GUO QIANG LI	03/03/2015
WEN LI	03/02/2015
CHENG FANG WANG	03/02/2015
XIAO LIN ZHANG	03/02/2015

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:	15664800

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: 607-429-5281

fdciplaw@us.ibm.com Email:

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

1701 NORTH STREET Address Line 1:

Address Line 2: B/40-3

Address Line 4: **ENDICOTT, NEW YORK 13760**

ATTORNEY DOCKET NUMBER:	CN920140032US2
NAME OF SUBMITTER:	PATRICIA B. FEIGHAN
SIGNATURE:	/Patricia B. Feighan/
DATE SIGNED:	07/31/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

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PATENT REEL: 043147 FRAME: 0633

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: METHOD AND APPARATUS FOR ASSOCIATING 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 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 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,

I have reviewed and understand the contents of the application, including the claims,

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 beader 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 self 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, reissnes, 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

I acknowledge my prior and ongoing obligations to sell, assign, and transfer my rights under this Assignment to the ASSIGNEE and an 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 I nven	tor: Si Bi	n Fan						
	Signature:	54	Bin	<u>F</u> q.	<u> </u>			_Date:_	7/15	3.2
(2)	Legal Name	of Inven	tor: Jun l	Hua Gao						
	Signature:	Ţ,	64	Zur	Hua. G	6		_Date:	20/5.	2. 2.
(3)	Legal Name	of Inven	tor: Guo	Qiang Li						
	Signature:		Tus	(j. arg	L			Date:	>>/{	, (, 7
				J			- La			
(4)	Legal Name	of Inven	tor: Wen	Li				at 1		
	Signature:							_Date:_		······
(5)	Legal Name	of Inven	tor: Cher	ig Fang V	Vang					
	Signature:		<u> 3007</u>	5 aer	(F284.8	<u> </u>		_Date:_	2015.	3.2
				: New York	Page 2 of	r3 /				

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Signature:			Date:	

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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 putent 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 terros 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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Signature: Date: Signature: Date: Other Date: Date: (4) Legal Name of Inventor: Wen Li Signature: Wen Li Date: March, 2, 2016 (5) Legal Name of Inventor: Cheng Fang Wang	(1) Legal Name of Inventor: Si Bin Fan				
(2) Legal Name of Inventor: Jun Hua Gao Signature:					
(2) Legal Name of Inventor: Jun Hua Gao Signature: Date: (3) Legal Name of Inventor: Guo Qiang Li Signature: Date: (4) Legal Name of Inventor: Wen Li Signature: Wen Li Date: March 2, 2015 (5) Legal Name of Inventor: Cheng Fang Wang	Signature:		Date:		***********
(2) Legal Name of Inventor: Jun Hua Gao Signature: Date: (3) Legal Name of Inventor: Guo Qiang Li Signature: Date: (4) Legal Name of Inventor: Wen Li Signature: Wen Li Date: March 2, 2015 (5) Legal Name of Inventor: Cheng Fang Wang					
Signature Date					
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Signature: Date: Signature: Wen Li Signature: Wen Li Date: March 2, 2015 (5) Legal Name of Inventor: Cheng Fang Wang	(3) Level Name of Intentor Cna Oiana Li				
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Signature: Date: Date: March と 2015 Signature: Wen Li Date: March と 2015 (5) Legal Name of Inventor: Cheng Fang Wang					
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(4) Legal Name of Inventor: Wen Li Signature: Wen Li Date: March 2, 20K (5) Legal Name of Inventor: Cheng Fang Wang			Date.		
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Signature: Wen Li Date: March レノンバ	(4) Legal Name of inventor; wen Li				
Signature: Wen Li Date: March 2, 2015 (5) Legal Name of Inventor: Cheng Fang Wang					
(5) Legal Name of Inventor: Cheng Fang Wang				88	٠
(5) Legal Name of Inventor: Cheng Fang Wang	Signature: VV2n Li		Date:	141 W. O. D.	2013
(5) Legal Name of Inventor: Cheng Fang Wang					
(5) Legal Name of Inventor: Cheng Fang Wang					
	(5) Legal Name of Inventor: Cheng Fang W	ang			
	Signature:	**************************************	Date;		

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(6) Legal Name of Inventor: Xiao Lin Zhang

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PATENT REEL: 043147 FRAME: 0639

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(1)	Legal Name of Inventor: Si Bin Fan	
	Signature:	Date:
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	Signature:	_Date:
(3)	Legal Name of Inventor: Guo Qiang Li	
	Signature:	Date:
(4)	Legal Name of Inventor: Wen Li	
	Signature:	Date:
(5)	Legal Name of Inventor: Cheng Fang Wang	
	Signature:	Date:

Page 2 of 3

(6) Legal Name of Inventor: Xiao Lin Zhang

Page 3 of 3

PATENT

RECORDED: 07/31/2017

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