505794629 11/27/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5841458

NATURE OF CONVEYANCE: Corrective Assignmen	t to correct the TYPOGRAPHICAL NAME OF
INVENTOR MAO TO MIDDLE NAME previo	REFLECT A SPACE BETWEEN THE FIRST AND usly recorded on Reel 022867 Frame 0300. In the INVENTOR MAO'S NAME SHOULD BE NAME.

CONVEYING PARTY DATA

Name	Execution Date
XIN SHENG MAO	06/23/2009
LIYI	06/23/2009
KE ZHANG	06/23/2009

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:	12490577

CORRESPONDENCE DATA

Fax Number: (404)607-9981

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: 4046079991

Email: usptopatentmail@cantorcolburn.com

Correspondent Name: CANTOR COLBURN LLP

Address Line 1:20 CHURCH STREET, 22ND FLOORAddress Line 4:HARTFORD, CONNECTICUT 10504

ATTORNEY DOCKET NUMBER:	CN920080078US1
NAME OF SUBMITTER:	JEFFREY L. WATERS
SIGNATURE:	/jeffreylwaters53749/
DATE SIGNED:	11/27/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT REEL: 051140 FRAME: 0021

505794629

Total Attachments: 4 source=8FP1191#page1.tif source=8FP1191#page2.tif source=8FP1191#page3.tif source=8FP1191#page4.tif

PATENT REEL: 051140 FRAME: 0022

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Xin Sheng Mao	06/23/2009
Li Yi	06/23/2009
Ke Zhang	06/23/2009

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:	12490577	

GORRESPONDENCE DATA

Fax Number: (919)254-4330

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 9195435329

Email: RSWIPLAW@us.ibm.com
Correspondent Name: IBM CORPORATION
Address Line 1: 3039 CORNWALLIS RD.

Address Line 2: DEPT. T81 / B503, PO BOX 12195

Address Line 4: RESEARCH TRIANGLE PK, NORTH CAROLINA 27709

		CN920080078US1
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	NAME OF SUBMITTER:	Andre M. Gibbs

Total Attachments: 2

source=CN920080078US1_Assignment#page1.tif

500894122

PATENT REEL: 022867 FRAME: 0300 PATENT

REEL: 051140 FRAME: 0023

source=CN920080078US1_Assignment#page2.tif

PATENT REEL: 022867 FRAME: 0301 PATENT

REEL: 051140 FRAME: 0024

ASSIGNMENT

Whereas, the undersigned Inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") in:

Title of the Invention:

CROSS DOMAIN INTERACTION OF A

WEB

APPLICATION

and further identified by the IBM Docket Number provided above in the header of this Assignment, for which an application for a United States Patent was executed concurrently herewith or was filed having:

Serial Number:

Whereas, International Business Machines Corporation, a corporation of New York having a place of business at Armonk, New York (herein referred to as "IBM"), desires to acquire, and each undersigned inventor desires to grant to IBM, the 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, each undersigned Inventor ("ASSIGNOR") hereby sells, assigns, and otherwise transfers to IBM (the "ASSIGNEE"), its successors, legal representatives, and assigns, the 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, each undersigned Inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent aidhout to assure any toreign patent, granted for the Invention, to IBM, its successors, legal representatives, and a second or entire worldwide right, title, and interest in and to the same to be held and enjoyed by IBM, 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 the undersigned had this Assignment not been made; and each undersigned Inventor agrees 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 IBM, its successors, legal representatives, and assigns, whenever requested by IBM, its successors, legal representatives, or assigns.

Each undersigned Inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the right in der this Assignment to IBM and is unaware of any reason why they may not have the full and unencombered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and mannot executed, and will not execute, any document or instrument in conflict herewith. Each undersigned Inventor also hereby grants IBM, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent application Serial 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.

[Inventor Signature Pages Follow]

Page 1 of 2

***************************************		Executed by Inv	entor 1 of 3		es em 17
Signature: Xin Sheng M	Xm/A		Date:	06/23/2	000
MANAMAKAN MANAMAKAN ANDANA	uurrururkinnan van van van van van van van van van	Executed by Inv	entor 2 of 3	************************************	
Signature:	Li Yi		Date: 20°	7.06,23	
**************************************	ookoo kaasaasaasaasaasaa kaabaaaaaaaaaaaaaaaa	Executed by Inve	entor 3 of 3		
Signature:	Ke Zhang Ke Zhang		Date: Zw 9	.6.23.	

Page 2 of 2