504073809 10/31/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
XUE DONG GAO	10/23/2016
KARL A. NIELSEN	08/15/2016
YAO PENG	10/23/2016
BRIAN A. RINALDI	08/15/2016
TANG REN YAO	08/18/2016

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:	15338642

CORRESPONDENCE DATA

Fax Number: (507)253-5334

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Email: rocdrctr@us.ibm.com

Correspondent Name: IBM CORP-ROCHESTER DRAFTING CENTER

Address Line 1: 650 HARRY ROAD

Address Line 2: L2PA/J2C

Address Line 4: SAN JOSE, CALIFORNIA 95120

ATTORNEY DOCKET NUMBER:	CN920150245US1
NAME OF SUBMITTER:	MICHELLE SCHUSTER
SIGNATURE:	/Michelle Schuster/
DATE SIGNED:	10/31/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT 504073809 REEL: 040173 FRAME: 0485

Total Attachments: 10 source=CN920150245US1_SignedAssignment-Declaration#page1.tif source=CN920150245US1_SignedAssignment-Declaration#page2.tif source=CN920150245US1_SignedAssignment-Declaration#page3.tif source=CN920150245US1_SignedAssignment-Declaration#page4.tif source=CN920150245US1_SignedAssignment-Declaration#page5.tif source=CN920150245US1_SignedAssignment-Declaration#page6.tif source=CN920150245US1_SignedAssignment-Declaration#page7.tif source=CN920150245US1_SignedAssignment-Declaration#page8.tif source=CN920150245US1_SignedAssignment-Declaration#page9.tif source=CN920150245US1_SignedAssignment-Declaration#page9.tif

PATENT REEL: 040173 FRAME: 0486

Title of Invention: TRANSFERRING DATA BETWEEN BLOCK AND FILE STORAGE SYSTEMS

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
filed 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

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;

known to me to be material to patentability as defined in 37 C.F.R. § 1.56.

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.

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 foll and unencombered 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 berewith. 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: Xue Dong Gao			
Signature: 67/20	Yue Doma	Date	<u>1216. 10.</u> 1
(2) Legal Name of Inventor: Karl A. Nielsen			<u> </u>
Signature		Duteq_	
(3) Légal Name of Inventor: Yao Peng			
Signaturer	*	Dale:	
(4) Legal Name of Inventor: Brian A. Rinald	% :	٠	
Signature		Dates	
(3) Legal Name of Inventor: Tang Ren Yao		i.	
Signature		Date	

PATENT REEL: 040173 FRAME: 0488

Title of Invention: TRANSFERRING DATA BETWEEN BLOCK AND FILE STORAGE SYSTEMS

As a below named and undersigned inventor, I hereby declare that:
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I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
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IBM DOCKET NUMBER: CN920150245US1

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.

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Date:
Date: 15 August 2016
Date:
Date:
Date
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Page 2 of 2

Title of Invention: TRANSFERRING DATA BETWEEN BLOCK AND FILE STORAGE SYSTEMS

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(1) Legal Name of Inventor: Noe Dong Gao	
Signation	Deter
(2) Legal Name of Inventor: Karl A. Nielsen	
	Date
Section of the Party of the Section	nii 2016 /228
(4) Legal Name of Inventor Brian A. Rinaldi	
(5) Logal Name of Inventor: Tung Ren Yan	
Signature Commencer Commen	Dete

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Title of Invention: TRANSFERRING DATA BETWEEN BLOCK AND FILE STORAGE SYSTEMS

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(1) Legal Name of Inventor: Xue Dong Gao	
Signature:	Date:
(2) Legal Name of Inventor: Karl A. Nielsen	
Signature:	Date:
(3) Legal Name of Inventor: Yao Peng	
Signature:	Date:
(4) Legal Name of Inventor: Brian A. Rinaldi Signature: Scan A Kinaldi	Date:8/15/2016
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Signature:	Date:

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