PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3522931

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ZHONG QI FENG	09/02/2015
JIANG TAO LI	09/01/2015
YI BIN WANG	09/01/2015
CHAO YU	09/01/2015
QING FENG ZHANG	09/01/2015

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:	14852043	

CORRESPONDENCE DATA

Fax Number: (518)452-5579

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Correspondent Name: HESLIN ROTHENBERG FARLEY & MESITI P.C.

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ATTORNEY DOCKET NUMBER:	CN920150085US1		
NAME OF SUBMITTER:	GEORGE S. BLASIAK		
SIGNATURE:	/George S. Blasiak/		
DATE SIGNED:	09/11/2015		
	This document serves as an Oath/Declaration (37 CFR 1.63).		
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Total Attachments: 10

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: PREDICTIVELY PROVISIONING CLOUD COMPUTING RESOURCES FOR VIRTUAL MACHINES

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 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.
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 life of the IBM Docket Number provided above in the life of the IBM Docket Number provided above.

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 acquire to be ASSIGNET.

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.

(1901749864) Page: 1 of 2

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: Zhong Qi Feng		- (8) -
	Signature: Zhony (); Femy		Date: 2015. 9. 2
(2)	Legal Name of Inventor: Jiang Tao Li		
	Signature:		Date:
(3)	Legal Name of Inventor: Yi Bin Wang		
	Signature:		Date:
(4)	Legal Name of Inventor: Chao Yu	S.	
	Signature:	**********	Date:
(5)	Legal Name of Inventor: Qing Feng Zhang	, e **.	
	Signature:	s:	Date:

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DECLARATION (37 C.F.R. L63) FOR UTILITY PATENT APPLICATION USING AN APPLICATION BATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT

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	The ubove-identified application was made or authorized to be made by me.
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	Whereas, Interestional 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, 388 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 parent 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 dissions, continuations, research, recognitions, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filling of such applications and greating of such patents. In addition, I hereby associate and request the Director of the United States Patent and Indigenals Office to assus any United States Patent, and foreign patent authorities to assus 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 head 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 is would have been held and enjoyed by me had title configuration to been made and aggree to execute any and all documents and instruments and perform a sould accessors, legal representatives, and assigns when patents and assignment not been made and a segment of the ASSIGNEE, its successors legal representatives, and assigns when patents and assigns and assigns and assigns and assigns and assigns and assigns are resourced to a the ASSIGNEE, its successors legal representatives, or assigns
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Lacknewledge my prior and ongoing obligations to sell, assign, and transfer my rights under this Assignment to the ASSIGNEE and assumance of any reason why I may not have the full and unencumbered right to sell, assign, and transfer my rights hereby sold, assigned, and transfermed not executed, and will not execute, any document or instrument in conflict increases. It is successors, legal representatives, and assigns, the right to increase 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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(i) Legal Name of Inventor: Zhong Qi Feng

Signature:	Date:
(2) Legal Name of Inventor: Jiang Tao Li	
Signature: Jigney Taw Li	Date: 2015 9 1
(3) Legal Name of Inventor: Yi Bin Wang	
Signature:	Date
4) Legal Name of Inventor: Chao Yu	
	en a
Signature	14de
Signature 5) Legal Name of inventor: Qing Frug Zhang	(And

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: PREDICTIVELY PROVISIONING CLOUD COMPUTING RESOURCES FOR VIRTUAL MACHINES

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[] 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.
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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

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:

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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 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.

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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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(1) Le _k	gal Name of Inventor: Zhong Qi Feng	ρĠ	* -
Sigi	nature:	***********	Date:
(2) Leg	gal Name of Inventor: Jiang Tao Li		
Sign	gature:	in and the second secon	Date:
(3) Leg	gal Name of Inventor: Yi Bin Wang		
Sigr	nature: KBN Wasy	minni.	Date: 20 Millian Lings
(4) Leg	gal Name of Inventor: Chao Yu	est.	
Sign	nature:	mining.	Date:
(5) Leg	gal Name of Inventor: Qing Feng Zhang		
Sigr	aature;		Date:

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(1) Legal Name of Inventor: Zhong Qi Feng	
Signature:	Date:
(2) Legal Name of Inventor: Jiang Tao Li	e ^s
Signature:	Date:
(3) Legal Name of Inventor: Yi Bin Wang	
Signature:	Date:
(4) Legal Name of Inventor: Chao Yu	
Signature: Chao Yu	Date: 2015. 9. 1
(5) Legal Name of Inventor: Qing Feng Zhang	,
Signature:	Date:
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(1) Legal Name of Inventor: Zhong Qi Feng	3 (3)
Signature:	Date:
(2) Legal Name of Inventor: Jiang Tao Li	
	*
Signature:	Date
(3) Legal Name of Inventor: Yi Bin Wang	
Signature:	Date:
(4) Legal Name of Inventor: Chao Yu	
Signature:	Date:
(5) Legal Name of Inventor: Qing Feng Zhang	8
Signature: Qing Feng. Zhang	Date: 2015 - 9 - 1

116174986 to Page 2 of 2

PATENT REEL: 036546 FRAME: 0261

RECORDED: 09/11/2015