11/13/2018 505189231

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5236000

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DONG JUN ZONG	11/07/2018
JONATHAN DUNNE	11/07/2018
DA LI LIU	11/07/2018
JING XING	11/07/2018
XUE FEI DUAN	11/07/2018
MARK WALLACE	11/12/2018

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:	16190128

CORRESPONDENCE DATA

Fax Number: (561)423-9297

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: 561-801-7700

Email: ibmptomail@iplawpro.com

CUENOT, FORSYTHE & KIM, LLC **Correspondent Name:** Address Line 1: 20283 STATE ROAD 7, SUITE 300 Address Line 4: **BOCA RATON, FLORIDA 33498**

ATTORNEY DOCKET NUMBER:	P201701832US01_8150-0911
NAME OF SUBMITTER:	RICHARD A. HINSON
SIGNATURE:	/RICHARD A. HINSON/
DATE SIGNED:	11/13/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT REEL: 047492 FRAME: 0093

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Total Attachments: 12 source=P201701832US01_Assign-Dec#page1.tif source=P201701832US01_Assign-Dec#page2.tif source=P201701832US01_Assign-Dec#page3.tif source=P201701832US01_Assign-Dec#page4.tif source=P201701832US01_Assign-Dec#page5.tif source=P201701832US01_Assign-Dec#page6.tif source=P201701832US01_Assign-Dec#page7.tif source=P201701832US01_Assign-Dec#page8.tif source=P201701832US01_Assign-Dec#page9.tif source=P201701832US01_Assign-Dec#page10.tif source=P201701832US01_Assign-Dec#page11.tif source=P201701832US01_Assign-Dec#page11.tif source=P201701832US01_Assign-Dec#page12.tif

PATENT REEL: 047492 FRAME: 0094

Title of Invention:

COGNITIVE RESPONSES WITH ELECTRONIC MESSAGING

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):

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 C.F.R. § 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 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

Page 1 of 3

РАТ

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 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.

Signature.	Dong Jun Zong	Date: 2018, (1. 7.
(i) Legal	Name of Inventor: DONG JUN ZONG	
Seguerer		Date:
O Lape	Name of Inventor: JONATHAN DUNNE	
Senature	Dali liu	2018:71.7 Date:
(3) Logal	Name of Inventor DALILIU	
\$100 miles	MORE INVENTORS, ADDITIONAL SIGNA	(TURE PAGE(S) FOLLOWS]

Signature:	Date:
(4) Legal Name of Inventor: JING XING	
Signature:	Date:
(5) Legal Name of Inventor: XUE FEI DU A	AN
Signature:	Date:
(6) Legal Name of Inventor: MARK WALI	LACE

[IF MORE INVENTORS, ADDITIONAL SIGNATURE PAGE(S) FOLLOWS]

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P201701832US01 8150-0911

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Signature:	Date:
(1) Legal Name of Inventor: BONG JUN ZONG	
Signature: Jon Jan Dans	
(2) Legal Name of Inventor: JONATHAN DUNNE	
Signature:	Date:
(3) Legal Name of Inventor: DA LI LIU	

Page 2 of 3

[IF MORE INVENTORS, ADDITIONAL SIGNATURE PAGE(S) FOLLOWS]

Signature:		Date:	
(4)	Legal Name of Inventor: JING XING		
Sign	ature:	Date:	
(5)	Legal Name of Inventor: XUE FEI DUAN		
Sign	ature:	Date:	
(6)	Legal Name of Inventor: MARK WALLACE		

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PATENT REEL: 047492 FRAME: 0101 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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Signature:	Date:
(1) Legal Name of Inventor: DONG JUN ZONG	
Signature:	Date:
(2) Legal Name of Inventor: JONATHAN DUNNE	
Signature:	Date:
(3) Legal Name of Inventor: DA LI LIU	

Page 2 of 3

[IF MORE INVENTORS, ADDITIONAL SIGNATURE PAGE(S) FOLLOWS]

Signature:		Date: 2018.11.
4) Legal Nan	ne of Inventor: JING XING	
	A Company of the Comp	
X	an red Villar	Date: Zas. 11. 1
	we be our	Date: Z\(\delta\). (1)
	ne of Inventor: XUE FEI DUAN	Date: 208.11.]
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Signature: <u>X</u> 5) Legal Nan	ne of Inventor: XUE FEI DUAN	Date: 208.11,]
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Signature:		Date:	
(1)	Legal Name of Inventor: DONG JUN ZONG		
Signa	iture:	Date:	
(2)	Legal Name of Inventor: JONATHAN DUNNE		
Signa	dure:	Date:	····
(3)	Legal Name of Inventor: DA LI LIU		

[IF MORE INVENTORS, ADDITIONAL SIGNATURE PAGE(S) FOLLOWS]

Page 2 of 3

Signature:	Date:
(4) Legal Name of inventor: JING XING	
Signature:	Date:
(5) Legal Name of Inventor: XUE FEI DUAN	
Signature: 400 Hollow.	Date: 12 Nov 2018
(6) Legal Name of Inventor: MARK WALLACE	
	•

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Page 3 of 3