#### 06/12/2017 504408908

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4455607

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
DAVID AMID	06/12/2017
DAVID BOAZ	06/12/2017
TIN KAM HO	06/12/2017
AMIR KANTOR	06/12/2017
LUIS A. LASTRAS-MONTANO	06/12/2017
NEIL R. MALLINAR	06/12/2017

### **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:	15620240

### **CORRESPONDENCE DATA**

Fax Number: (512)345-7225

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.

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TERRILE, CANNATTI, CHAMBERS & HOLLAND, L **Correspondent Name:** 

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Address Line 4: AUSTIN, TEXAS 78720

ATTORNEY DOCKET NUMBER:	P201701862US01
NAME OF SUBMITTER:	MICHAEL ROCCO CANNATTI
SIGNATURE:	/Michael Rocco Cannatti/
DATE SIGNED:	06/12/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

**PATENT REEL: 042768 FRAME: 0753** 

504408908

### **Total Attachments: 15** source=P201701862US01\_Assignment-Declaration#page1.tif source=P201701862US01 Assignment-Declaration#page2.tif source=P201701862US01\_Assignment-Declaration#page3.tif source=P201701862US01\_Assignment-Declaration#page4.tif source=P201701862US01\_Assignment-Declaration#page5.tif source=P201701862US01\_Assignment-Declaration#page6.tif source=P201701862US01\_Assignment-Declaration#page7.tif source=P201701862US01\_Assignment-Declaration#page8.tif source=P201701862US01 Assignment-Declaration#page9.tif source=P201701862US01\_Assignment-Declaration#page10.tif source=P201701862US01\_Assignment-Declaration#page11.tif source=P201701862US01\_Assignment-Declaration#page12.tif source=P201701862US01 Assignment-Declaration#page13.tif source=P201701862US01\_Assignment-Declaration#page14.tif source=P201701862US01\_Assignment-Declaration#page15.tif

PATENT REEL: 042768 FRAME: 0754

### DECLARATION (37 C.J. R. 1.63) FOR UTILITY PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT

Title of Invention: METHOD, APPARATUS, AND SYSTEM FOR CONFLICT DETECTION AND RESOLUTION FOR COMPETING INTENTICLASSIFIERS IN MODULAR CONVERSATION SYSTEM

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I am aware of the duty to disclose to the United States Patent and Trademark Office all information growing the color of the material to patentiability as defined in 2.7 CFR Section 1.55.

Whereas, the undersigned inventor(s) has have made certain inventions, improvements, and discoveries therein referred to as the "Investion") disclosed in the above-identified patent application and further identified by the IPM Docker Number provided above in the header of this document.

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 parent 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 or has sold, assigns or has assigned, and otherwise transfers or has transferred to IBM (the "ASSIGNUE"), 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, exicusions, 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 understance inventor hereby authorizes and requests 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 IBM, its successors, legal representatives, and assigns, the course worldwide right, little, and interest in and to the came to be held and enjoyed by IBM its successors, legal representatives, and ossigns 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 rate to the Invention and all related patents and applications, to IBM, to successors, logist representatives, and assigns, whenever requested by IBM, its successors, logist

Page Lof 3

representatives, or assigns.

Each undersigned inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to IBM and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not 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 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: DAVID AMID	
Signature:	Date: 19/12/2019
(2) Legal Name of Inventor: DAVID BOAZ	
Signature:	Date:
(3) Legal Name of Inventor: TIN KAM HO	
Signature:	Date:
(4) Legal Name of Inventor: AMIR KANTOR	
Signature;	Date:

HE MORE INVENTORS, ADDITIONAL SIGNATURE PAGE(S) FOLLOWS

Page 2 of 3

(5) Legal Name of Inventor: LUIS A. LASTRAS-MONTANO		
Signature	Date	
(6) Legal Name of Inventor: NEIL R. MALLINAR		
W	Date	

Page 3 of 3

PATENT REEL: 042768 FRAME: 0757

### 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, APPARATUS, AND SYSTEM FOR CONFLICT DETECTION AND RESOLUTION FOR COMPETING INTENT CLASSIFIERS IN MODULAR CONVERSATION SYSTEM

As a below named 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, the undersigned inventor(s) has/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;

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Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor ("ASSIGNOR") hereby sells or has sold, assigns or has assigned, and otherwise transfers or has transferred 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 authorities to issue any foreign patent, granted for the Invention, to IBM, its successors, legal representatives, and assigns, the 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.

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1) Legal Name of Inventor: DAVID AMID	
Signature:	Date:
2) Legal Name of Inventor: <b>DAVID BOAZ</b>	
Signature:	Date: 12 June 2017
3) Legal Name of Inventor: TIN KAM HO	
Signature:	Date:
4) Legal Name of Inventor: AMIR KANTOR	
Signature:	Date:

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

Page 2 of 3

(5) Legal Name of Inventor: LUIS A. LASTRAS-MONTA	NO
Signature:	Date:
(6) Legal Name of Inventor: NEIL R. MALLINAR	
Signature:	Date:

### DECLARATION (37 C.F.R. 1.63) FOR UTILITY PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT

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(1)	Legal Name of Inventor: DAVID AMID		
	Signature:	_Date:	
(2)	Legal Name of Inventor: DAVID BOAZ		
	Signature:	_ Date:_	
(3)	Legal Name of Inventor: TIN KAM HO		
	Signature:	_ Date:	6/12/2017
(4)	Legal Name of Inventor: AMIR KANTOR		
	Signature:	_ Date:_	

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

Page 2 of 3

(5) Legal Name of Inventor: LUIS A. LASTRAS-MONTAN	/
Signature:	Date:
(6) Legal Name of Inventor: <b>NEIL R. MALLINAR</b>	
Signature:	Date:

Page 3 of 3

**PATENT** 

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(1) I	Legal Name of Inventor: DAVID AMID	
S	Signature:	Date:
(2) I	Legal Name of Inventor: DAVID BOAZ	
S	Signature:	Date:
(3) I	Legal Name of Inventor: TIN KAM HO	
S	Signature:	Date:
` '	Legal Name of Inventor: AMIR KANTOR	
S	Signature: 2166 3 1/10	Date: June 12, 2017

IIF MORE INVENTORS, ADDITIONAL SIGNATURE PAGE(S) FOLLOWS]

Page 2 of 3

(5) Legal Name of Inventor: LUIS A. LASTRAS	S-MONTANO
Signature:	Date:
(6) Legal Name of Inventor: NEIL R. MALLINA	AR
Signature:	Date:

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(1) I	Legal Name of Inventor: DAVID AMID	
S	Signature:	Date:
(2) I	Legal Name of Inventor: DAVID BOAZ	
S	Signature:	Date:
(3) 1	Legal Name of Inventor: TIN KAM HO	
S	Signature:	Date:
(4)	Legal Name of Inventor: AMIR KANTOR	
S	Signature:	Date:

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

Page 2 of 3

(5) Legal Name of Inventor:	LUIS A. LASTRAS-MONTA	ANO	
Signature:		Date:	
(6) Legal Name of Inventor:	NEIL R. MALLINAR		
Signature:	Malin	Date: 06/12/	12017

Page 3 of 3

PATENT REEL: 042768 FRAME: 0769

**RECORDED: 06/12/2017**