

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4751745

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the THE SPELLING OF DAVID C. STEINMETZ NAME ON THE ASSIGNMENT AND UPDATE THE DOC DATE TO 12/26/2017 previously recorded on Reel 044468 Frame 0815. Assignor(s) hereby confirms the CORRECT SPELLING OF DAVID C. STEINMETZ WITH AN UPDATED DOC DATE OF 12/26/2017.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MARIANA ALUPULUI	01/19/2016
ANDREA L. AMES	01/20/2016
BETH ANNE M. COLLOPY	01/19/2016
JOSEPH F. PESOT	01/19/2016
ROBERT PIERCE	01/20/2016
DAVID C. STEINMETZ	12/26/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	INTERNATIONAL BUSINESS MACHINES CORPORATION
<b>Street Address:</b>	NEW ORCHARD ROAD
<b>City:</b>	ARMONK
<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	10504
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15851769
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(404)607-9981
<i>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.</i>	
<b>Phone:</b>	4046079991
<b>Email:</b>	usptopatentmail@cantorcolburn.com
<b>Correspondent Name:</b>	CANTOR COLBURN LLP
<b>Address Line 1:</b>	20 CHURCH STREET, 22ND FLOOR
<b>Address Line 4:</b>	HARTFORD, CONNECTICUT 06103-3207
<b>ATTORNEY DOCKET NUMBER:</b>	POU920150450US03
<b>NAME OF SUBMITTER:</b>	JEFFREY L. WATERS
<b>SIGNATURE:</b>	/jeffreylwaters53749/

<b>DATE SIGNED:</b>	12/27/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 23</b> source=7YO7549#page1.tif source=7YO7549#page2.tif source=7YO7549#page3.tif source=7YO7549#page4.tif source=7YO7549#page5.tif source=7YO7549#page6.tif source=7YO7549#page7.tif source=7YO7549#page8.tif source=7YO7549#page9.tif source=7YO7549#page10.tif source=7YO7549#page11.tif source=7YO7549#page12.tif source=7YO7549#page13.tif source=7YO7549#page14.tif source=7YO7549#page15.tif source=7YO7549#page16.tif source=7YO7549#page17.tif source=7YO7549#page18.tif source=7YO7549#page19.tif source=7YO7549#page20.tif source=7YO7549#page21.tif source=7YO7549#page22.tif source=7YO7549#page23.tif	



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The coversheet of the assignment is displayed below:

**PATENT ASSIGNMENT COVER SHEET**

Electronic Version v1.1

Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>MARIANA ALUPULUI</td><td>01/19/2016</td></tr><tr><td>ANDREA L. AMES</td><td>01/20/2016</td></tr><tr><td>BETH ANNE M. COLLOPY</td><td>01/19/2016</td></tr><tr><td>JOSEPH F. PESOT</td><td>01/19/2016</td></tr><tr><td>ROBERT PIERCE</td><td>01/20/2016</td></tr><tr><td>DAVID C. STEINMETZ</td><td>01/20/2016 &lt; 12/26/2017</td></tr></tbody></table>	Name	Execution Date	MARIANA ALUPULUI	01/19/2016	ANDREA L. AMES	01/20/2016	BETH ANNE M. COLLOPY	01/19/2016	JOSEPH F. PESOT	01/19/2016	ROBERT PIERCE	01/20/2016	DAVID C. STEINMETZ	01/20/2016 < 12/26/2017	
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**CORRESPONDENCE DATA**Fax Number: (404)607-9981 

Phone: 4046079991

Email: usptopatentmail@cantorcolburn.com

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Correspondent Name: CANTOR COLBURN LLP

Address Line 1: 20 CHURCH STREET, 22ND FLOOR

Address Line 4: HARTFORD, CONNECTICUT 06103-3207

ATTORNEY DOCKET NUMBER:	POU920150450US03
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NAME OF SUBMITTER:	JEFFREY L. WATERS
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Signature:	/jeffreylwaters53749/
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Date:	12/22/2017
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Total Attachments: 18

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**RECEIPT INFORMATION**

EPAS ID: PAT4748174

Receipt Date: 12/22/2017

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**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:** QUESTION-ANSWERING SYSTEM

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 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 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 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,

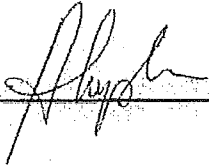
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I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

(1) Legal Name of Inventor: **Mariana Alupului**

Signature: \_\_\_\_\_



Date: \_\_\_\_\_

01/19/2016

(2) Legal Name of Inventor: **Andrea L. Ames**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

(3) Legal Name of Inventor: **Beth Anne M. Collopy**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

(4) Legal Name of Inventor: **Joseph F. Pesot**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

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

(5) Legal Name of Inventor: **Robert Pierce**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(6) Legal Name of Inventor: **David C. Steinmentz**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_



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Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(2) Legal Name of Inventor: **Andrea L. Ames**

Signature: Andrea L Ames Date: 20 Jan 2016

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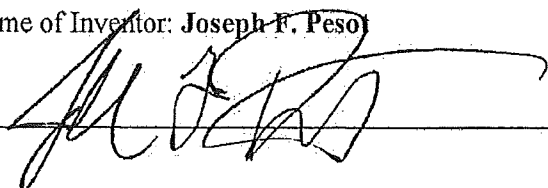
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Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(3) Legal Name of Inventor: **Beth Anne M. Collopy**

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(4) Legal Name of Inventor: **Joseph F. Pesol**

Signature:  \_\_\_\_\_ Date: 1/19/16

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Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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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.

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: **Mariana Alupului**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(2) Legal Name of Inventor: **Andrea L. Ames**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(3) Legal Name of Inventor: **Beth Anne M. Collopy**

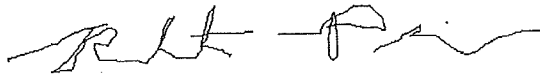
Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(4) Legal Name of Inventor: **Joseph F. Pesot**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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

(5) Legal Name of Inventor: **Robert Pierce**

Signature: 

Date: 1/20/16

(6) Legal Name of Inventor: **David C. Steinmentz**

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**

**Title of Invention:** QUESTION-ANSWERING SYSTEM

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 known to me to be material to patentability as defined in 37 CFR Section 1.56.

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Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(3) Legal Name of Inventor: **Beth Anne M. Collopy**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(4) Legal Name of Inventor: **Joseph F. Pesot**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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

(5) Legal Name of Inventor: Robert Pierce

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(6) Legal Name of Inventor: David C. Steinmetz

Signature: David C. Steinmetz Date: 12/26/2017