#### 504258755 03/06/2017

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4305435

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
PAUL R. BASTIDE	02/24/2017
MATTHEW E. BROOMHALL	03/06/2017
THOMAS J. EVANS	02/24/2017
ROBERT E. LOREDO	03/01/2017

## **RECEIVING PARTY DATA**

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City:	ARMONK
State/Country:	NEW YORK
Postal Code:	10504

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15451302

## **CORRESPONDENCE DATA**

Fax Number: (512)949-4900

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LAW OFFICE OF ANTHONY ENGLAND IBM SVL **Correspondent Name:** 

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Address Line 2: SUITE A

Address Line 4: AUSTIN, TEXAS 78703

ATTORNEY DOCKET MUMBER.	CVI 0004C04 00 IC4
ATTORNEY DOCKET NUMBER:	SVL920160186US1
NAME OF SUBMITTER:	ANTHONY V.S. ENGLAND
SIGNATURE:	/anthony v s england/
DATE SIGNED:	03/06/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).
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**Total Attachments: 7** 

**PATENT REEL: 041479 FRAME: 0343** 

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PATENT REEL: 041479 FRAME: 0344

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

Title of Invention: TECHNOLOGY FOR GENERATING A MULTI-USER RESPONSE IN A NETWORK

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have reviewed and understand the contents of the application, including the claims

Eath asked of the date to disclose to the United States Patent and Trademark of the Strong States and American Strong States and American Strong States and Strong States and St

Whereas () ASSIGNOR) have made certain inventions improvements and discoveries herein everal to as the "Invention") disclosed in the above identified patent application and further identified by the IBM Disclose Number provided above in the header of this document.

Whereas, International Business Machines Corporation (beron referred to as the "ASSIGNEE") or proposation of New York basing a place of business at Armonk. New York desires to adquire 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 patient applications and patients directed theorie.

Now therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged. Thereby self or have sold, assign or have assigned, and otherwise transfer or have transferred to the ASSICNEE, 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 recommissions reservab exemplons counterparts substitutes and sciences. 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 usue any United States Patent, and foreign patent authorities to issue any foreign paient, granted for the Invention, to the ASSIGNEST, its autoestors, legal representatives, and accuracy to th course worldwide right, title, and interest in and to the same to be held and enjoyed by the ASSIGNEE. successors. Togal representatives, and assigns to the full end of the torns 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 Lagree to execute any and all documents and instruments and persons all having acts reasonably related to recording this Assignment or perfecting trile to the Instance and all related patents and applications, in the ASSIGNEST, its successors, least represent the PATENT 

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Officer Summer Courses	PAUL R. BASTIDE	
riginal file of	2552	24-Feb-2017
Chest Sine of Inventor	MATTHEW E. BROOMHALL	
Signature		Date
(2) Legal Name of Invenor	THOMAS I STATE	
Signatur		Date
4 Legal National Inventor	ROBERT E LOREDO	
egrature		Date

Page 2 of 1

PATENT REEL: 041479 FRAME: 0346

## 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: TECHNOLOGY FOR GENERATING A MULTI-USER RESPONSE IN A NETWORK

As a below named and underviewed inventor, I hereby declare that:

This declaration is directed to the attached application, or (if following box is checked)	ed):
[ ] 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 inventor.	ention in the
I have reviewed and understand the contents of the application, including the claims	•
Lam aware of the duty to disclose to the United States Patent and Trademark Office known to me to be material to patentability as defined in 37 CFR Section 1.56.	all information
Whereas, I ("ASSIGNOR") have made certain inventions, improvements, and discorto as the "Invention") disclosed in the above-identified patent application and further 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, whenever requested by the ASSIGNEE, its successors, legal representatives, or assigns.

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 unexamiliered 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 exceedation 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: PAUL R. BASTIDE	
Signature:	Date:
(2) Legal Name of Inventor: MAYTHEW E. BROOMH Signature:	ALL Date: 3/4/7
(3) Legal Name of Inventor: THOMAS J. EVANS	
Signature:	Date:
(4) Legal Name of Inventor: ROBERT E. LOREDO	
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: TECHNOLOGY FOR GENERATING A MULTI-USER RESPONSE IN A NETWORK

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, whenever requested by the ASSIGNEE, its successors, legal representatives, or assigns.

Page 1 of 2

## IBM DOCKET NUMBER: SVL920160186US1

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:	PAUL R. BASTIDE		
Signature:		_ Date:	
(2) Legal Name of Inventor:	MATTHEW E. BROOMHALL		
Signature:		_ Date:	
(3) Legal Name of Inventor:			
Signature:	Lesm	_ Date:	2/24/2017
(4) Legal Name of Inventor:	ROBERT E. LOREDO		
Signature:		_ Date:	

## IBM DOCKET NUMBER: SVL920160186USI

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:	PAUL R. BASTIDE		
Signature		Date	
(2) Legal Name of Inventor:	MATTHEW E. BROOMHALL		
Signature:		Date:	
(3) Legal Name of Inventor:	THOMAS J. EVANS		
Signature		Date:	
(4) Legal Name of Inventor:	ROBERT E. LOREDO		
Signature.		Date: 3/	,/15
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