PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2792805

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JONATHAN DUNNE	10/23/2013
PAUL B. FRENCH	10/20/2013
JAMES P. GALVIN JR.	10/21/2013
PATRICK J. O'SULLIVAN	10/23/2013

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:	14230489

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 via

US Mail.

Phone: 561-801-7700

Email: ibmptomail@iplawpro.com

Correspondent Name: CUENOT, FORSYTHE & KIM, LLC

20283 STATE ROAD 7 Address Line 1:

Address Line 2: STE. 300

Address Line 4: **BOCA RATON, FLORIDA 33498**

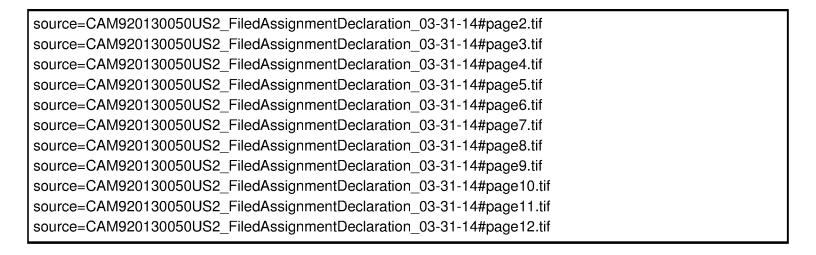
ATTORNEY DOCKET NUMBER:	CAM920130050US2_8150-0444
NAME OF SUBMITTER:	TERRY W. FORSYTHE
SIGNATURE:	/TERRY W. FORSYTHE/
DATE SIGNED:	03/31/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 12

source=CAM920130050US2 FiledAssignmentDeclaration 03-31-14#page1.tif

REEL: 032562 FRAME: 0431 502746209

PATENT



PATENT REEL: 032562 FRAME: 0432

Title of Invention:

USE OF SIMULTANEOUSLY RECEIVED VIDEOS BY A SYSTEM TO GENERATE A QUALITY OF EXPERIENCE VALUE

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

[x] Unite	d States	application	or PCT	international	application	number	14/230,489	
filed on	2014-03	3-31						

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 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, a corporation of New York having a place of business at Armonk, New York (herein referred to as "IBM"), desires to acquire, and I desire to grant to IBM, 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 ("ASSIGNOR") hereby sell or have sold, assign or have assigned, and otherwise transfer or have transferred to IBM (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

Page 1 of 3

PA

I acknowledge my prior and ongoing obligations to sell, assign, and transfer my rights under this Assignment to the IBM 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 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:	JONATHAN DUNNE	
Signa	ture: Anathanless	ye	Date: 23 rd Oct 2013
(2)	Legal Name of Inventor:	PAUL B. FRENCH	
Signa	ture:		Date:
(3)	Legal Name of Inventor:	JAMES P. GALVIN JR.	
Signa	ture:		Date:

Page 2 of 3

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

(5)	Legal Name of Inventor:	PATRICK J. O'SULLIVAN				
Signa	ture:	Date:				
	[IF MORE INVENTORS,	ADDITIONAL SIGNATURE PAGE(S) FOLLOWS				

Title of Invention:

USE OF SIMULTANEOUSLY RECEIVED VIDEOS BY A SYSTEM TO GENERATE A QUALITY OF EXPERIENCE VALUE

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):

[x] United States application or PCT international application number 14/230,489 filed on 2014-03-31 .

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 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, a corporation of New York having a place of business at Armonk, New York (herein referred to as "IBM"), desires to acquire, and I desire to grant to IBM, 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 ("ASSIGNOR") hereby sell or have sold, assign or have assigned, and otherwise transfer or have transferred to IBM (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

Page 1 of 3

I acknowledge my prior and ongoing obligations to sell, assign, and transfer my rights under this Assignment to the IBM and am unaware of any reason why I may not have the full and unencombered 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 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.

Thereby 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:	JONATHAN DUNNE	
Signa	ifure:		_ Date:
(2)	Legal Name of inventor:	PAUL B. FRENCH	
Signs	uture: <u>Jul 8 J</u>	» 2000-l	Date: <u>Oct 20 20/3</u>
(3)	Legal Name of Inventor:	JAMES P. GALVIN JR.	
Signa	nture:		Date:

Page 2 of 3

HE MORE INVENTORS, ADDITIONAL SIGNATURE PAGE(S) FOLLOWS[

(5)	Legal Name of Inventor:	PATRICK J. O'SULLIVAN
Signa	ture:	Date:
	[IF MORE INVENTORS,	ADDITIONAL SIGNATURE PAGE(S) FOLLOWS

Title of Invention:

USE OF SIMULTANEOUSLY RECEIVED VIDEOS BY A SYSTEM TO GENERATE A QUALITY OF EXPERIENCE VALUE

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):

[X] Unite	ed States	application of	or PCT	international	application	number	14/230,489	
filed on	2014-03-	31						

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 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, a corporation of New York having a place of business at Armonk, New York (herein referred to as "IBM"), desires to acquire, and I desire to grant to IBM, 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 ("ASSIGNOR") hereby sell or have sold, assign or have assigned, and otherwise transfer or have transferred to IBM (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

Page 1 of 3

I acknowledge my prior and ongoing obligations to sell, assign, and transfer my rights under this Assignment to the IBM 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 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:	JONATHAN DUNNE	
Signa	iture:		Date:
(2)	Legal Name of Inventor:	PAUL B. FRENCH	
Signa	ature:		_ Date:
(3)	Legal Name of Inventor:	JAMES P. GALVIN JR.	
Signa	uture: JMUS V-	John f.	Date: $210t 2013$

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

Page 2 of 3

REEL: 032562 FRAME: 0440

(5)	Legal Name of Inventor:	PATRICK J. O'SULLIVAN		
Signa	uture:	Date:		
	[IF MORE INVENTORS,	ADDITIONAL SIGNATURE PAGE(S) FOLLOWS]		

Title of Invention:

USE OF SIMULTANEOUSLY RECEIVED VIDEOS BY A SYSTEM TO GENERATE A QUALITY OF EXPERIENCE VALUE

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

		,	`	U		,	
[X] United States application or PCT inte	rnational	applica	ation 1	number	14/230,489		
filed on 2014-03-31							

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 CFR Section 1.56.

Whereas, I 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, a corporation of New York having a place of business at Armonk, New York (herein referred to as "IBM"), desires to acquire, and I desire to grant to IBM, 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 ("ASSIGNOR") hereby sell or have sold, assign or have assigned, and otherwise transfer or have transferred to IBM (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 REEL: 032562 FRAME: 0442

I acknowledge my prior and ongoing obligations to sell, assign, and transfer my rights under this Assignment to the IBM 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 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:	JONATHAN DUNNE	
Signat	ure:		
(2)	Legal Name of Inventor:	PAUL B. FRENCH	
Signat	ure:		Date:
(3)	Legal Name of Inventor:	JAMES P. GALVIN JR.	
Signat	ure:		_ Date:

IIF MORE INVENTORS, ADDITIONAL SIGNATURE PAGE(S) FOLLOWS

(5) Legal Name of lavemor:

PATRICK J. O'SULLIVAN

Signature:

Date: 23 0012013

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

Page 3 of 3

PATENT REEL: 032562 FRAME: 0444