PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5598260

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
SEQUENCE:	1

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:	16458063

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

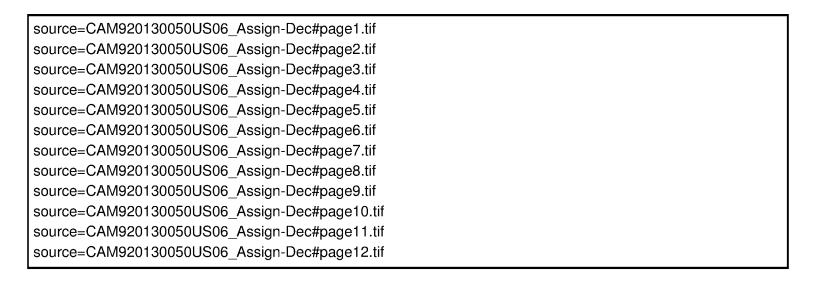
Correspondent Name: CUENOT, FORSYTHE & KIM, LLC Address Line 1: 20283 STATE ROAD 7, SUITE 300 BOCA RATON, FLORIDA 33498

ATTORNEY DOCKET NUMBER: CAM920130050US06_8150-997	
NAME OF SUBMITTER:	TERRY W. FORSYTHE
SIGNATURE:	/TERRY W. FORSYTHE/
DATE SIGNED: 06/30/2019	
	This document serves as an Oath/Declaration (37 CFR 1.63).
	•

Total Attachments: 12

PATENT REEL: 049633 FRAME: 0551

505551459



Title of Invention:

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

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.

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

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

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: <u>bratharles</u>	ye	Date: 231d 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

IIF MORE INVENTORS, ADDITIONAL SIGNATURE PAGE(S) FOLLOWS

(5)	Legal Name of Inventor:	PATRICK J. O'SULLIVAN	
Signature:		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 a	pplication nu	mber 15/48	34,906
filed on 2017-04	-11				

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Page 1 of 3

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(1)	Logal Name of Inventor:	JONATHAN DUNNE	
Signa	dure:		Date:
(2)	Legal Name of inventor:	PAUL B. FRENCH	
Signature: <u>Just O. Josen C.</u>		_ Date: <u>0 cf 20 20/3</u>	
(3)	Legal Name of Inventor:	JAMES P. GALVIN JR.	
Signe	eture:		Date:

Page 2 of 3

HE MORE INVENTORS, ADDITIONAL SIGNATURE PAGE(S) FOLLOWS

(5)	Legal Name of Inventor:	PATRICK J. O'SULLIVAN	
Signature:		Date:	
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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] United States application or PCT international application number	15/484,906
filed on 2017-04-11	

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Signa	nture:		Date:
(2)	Legal Name of Inventor:	PAUL B. FRENCH	
Signa	ature:		_ Date:
(3)	Legal Name of Inventor:	JAMES P. GALVIN JR.	
Signa	ature: MW 1-	Horn ft.	Date: $210t 2013$

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Page 2 of 3

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Signature:		Date:	
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Signature:			Date:
(3)	Legal Name of Inventor:	JAMES P. GALVIN JR.	
Signat	ure:	_ Date:	

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Page 2 of 3

(5) Legal Name of Inventor:

PATRICK J. O'SULLIVAN

Signature:

_ Date: 23 Oc72013

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