AO 120 (Rev. 08/10)

TO:

Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450

REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK

In Compliand filed in the U.S. Dist		15 U.S.C. § 1116 you are hereby advised that a court action has been or the Central District of California on the following	ø
		tion involves 35 U.S.C. § 292.):	,
DOCKET NO. 2:21-cv-8230	DATE FILED 10/18/2021	U.S. DISTRICT COURT for the Central District of California	
PLAINTIFF		DEFENDANT	
WAG Aquisition, L.L.C.		The Walt Disney Company	
		and Walt Disney Streaming Services LLC	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK	
1 9,742,824	8/22/2017	WAG Acquisition, L.L.C.	
2 9,729,594	8/8/2017	WAG Acquisition, L.L.C.	
3 9,762,636	9/12/2017	WAG Acquisition, L.L.C.	
4			
5			
		ne following patent(s)/ trademark(s) have been included:	
DATE INCLUDED	INCLUDED BY	nendment	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK	
1			
2			
3			
3			
3 4 5	ve—entitled case, the following	g decision has been rendered or judgement issued:	
3 4 5 In the above	ve—entitled case, the following	g decision has been rendered or judgement issued:	
3 4 5 In the above	ve—entitled case, the following	g decision has been rendered or judgement issued:	
3 4 5 In the above	ve—entitled case, the following	g decision has been rendered or judgement issued:	
3 4 5		g decision has been rendered or judgement issued: Y) DEPUTY CLERK DATE	

Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy

AO 120 (Rev. 08/10)

TO: Mail Stop 8
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P.O. Box 1450 Alexandria, VA 22313-1450

REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK

In Complianc filed in the U.S. Disti			1116 you are hereby advised that a court action has been ict of Texas, Waco Division on the following
	Patents. (the patent		
DOCKET NO. 6:21-cv-815	DATE FILED 8/6/2021	U.S. DI	STRICT COURT Western District of Texas, Waco Division
PLAINTIFF		•	DEFENDANT
WAG Acquisition, L.L.C.			Amazon.com, Inc., Amazon Web Services, Inc., and Amazon.com Services LLC
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK		HOLDER OF PATENT OR TRADEMARK
1 9,742,824	8/22/2017	WAG	G Acquisition, L.L.C.
2 9,729,594	8/8/2017	WAG	G Acquisition, L.L.C.
3 9,762,636	9/12/2017	WAG	G Acquisition, L.L.C.
4			
5			
	In the above—entitled case	, the following	patent(s)/ trademark(s) have been included:
DATE INCLUDED	INCLUDED BY		
Diffe it (Chobib		Amendment	☐ Answer ☐ Cross Bill ☐ Other Pleading
PATENT OR TRADEMARK NO.		Amendment	☐ Answer ☐ Cross Bill ☐ Other Pleading HOLDER OF PATENT OR TRADEMARK
PATENT OR	DATE OF PATENT	Amendment	
PATENT OR TRADEMARK NO.	DATE OF PATENT	Amendment	
PATENT OR TRADEMARK NO.	DATE OF PATENT	Amendment	
PATENT OR TRADEMARK NO.	DATE OF PATENT	Amendment	
PATENT OR TRADEMARK NO. 1 2 3	DATE OF PATENT	Amendment	
PATENT OR TRADEMARK NO. 1 2 3 4 5	DATE OF PATENT OR TRADEMARK		
PATENT OR TRADEMARK NO. 1 2 3 4 5	DATE OF PATENT OR TRADEMARK		HOLDER OF PATENT OR TRADEMARK
PATENT OR TRADEMARK NO. 1 2 3 4 5	DATE OF PATENT OR TRADEMARK		HOLDER OF PATENT OR TRADEMARK
PATENT OR TRADEMARK NO. 1 2 3 4 5	DATE OF PATENT OR TRADEMARK e—entitled case, the follow		HOLDER OF PATENT OR TRADEMARK as been rendered or judgement issued:

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REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK

filed in the U.S. Dist		or 15 U.S.C. § 1116 you are hereby advised that a court action has been estern District of Texas, Waco Division on the following
☐ Trademarks or [Patents. (the patent	action involves 35 U.S.C. § 292.):
DOCKET NO. 6:21-cv-816	DATE FILED 8/6/2021	U.S. DISTRICT COURT Western District of Texas, Waco Division
PLAINTIFF		DEFENDANT
WAG Acquisition, L.L.C.		Google LLC and YouTube, Inc.
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 9,742,824	8/22/2017	WAG Acquisition, L.L.C.
2 9,729,594	8/8/2017	WAG Acquisition, L.L.C.
3 9,762,636	9/12/2017	WAG Acquisition, L.L.C.
4		
5		
	In the above—entitled case,	the following patent(s)/ trademark(s) have been included:
DATE INCLUDED	INCLUDED BY	Amendment Answer Cross Bill Other Pleading
DATE INCLUDED PATENT OR		Amendment
	A	Amendment
PATENT OR	DATE OF PATENT	
PATENT OR TRADEMARK NO.	DATE OF PATENT	
PATENT OR TRADEMARK NO.	DATE OF PATENT	
PATENT OR TRADEMARK NO.	DATE OF PATENT	
PATENT OR TRADEMARK NO. 1 2 3	DATE OF PATENT	
PATENT OR TRADEMARK NO. 1 2 3 4 5	DATE OF PATENT OR TRADEMARK	
PATENT OR TRADEMARK NO. 1 2 3 4 5	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
PATENT OR TRADEMARK NO. 1 2 3 4 5	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
PATENT OR TRADEMARK NO. 1 2 3 4 5	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
PATENT OR TRADEMARK NO. 1 2 3 4 5	DATE OF PATENT OR TRADEMARK re—entitled case, the following	HOLDER OF PATENT OR TRADEMARK

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P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/283,544	09/12/2017	9762636	0021-49 CON4B	5655

25901

7590

08/23/2017

ERNEST D. BUFF ERNEST D. BUFF AND ASSOCIATES, LLC. 231 SOMERVILLE ROAD BEDMINSTER, NJ 07921

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment is 0 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site http://pair.uspto.gov for additional applicants):

Harold Edward Price, Bethel Park, PA; WAG ACQUISITION, L.L.C., Flanders, NJ;

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The USA offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to encourage and facilitate business investment. To learn more about why the USA is the best country in the world to develop technology, manufacture products, and grow your business, visit <u>SelectUSA.gov</u>.

IR103 (Rev. 10/09) IPR2022-01227 EXHIBIT 1003 - PAGE 00004

Substitute for form 1449/PTO				Complete if Known		
SUSSIBLE IS IGNA 1440A 10					Application Number	15/283,544
INF	ORMATIC)N D	ISCI	LOSURE	Filing Oate	10/03/2016
ST/	STATEMENT BY APPLICANT				First Named Inventor	Harold Edward Price
					Art Unit	2447
	(Use as many	sheets a	s nece	ssary)	Examiner Name	NA
Sheet 8 of 12		Attorney Docket Number	0021-49-CON4B			

Ţ.		242.	7,149,811	12-12-2006	Wise, et. al.
		243.	7,154,895	12-26-2006	Bornemisza, et. al.
}	***************************************	244.	7,158,518	01-02-2007	Burmeister, et. al.
i Soo		245.	7,161,939	01-09-2007	Israel, et. al.
-		246.	7,167,560	01-23-2007	Yu
- 100 100 100 100 100 100 100 100 100 100		247.	7,170,856	01-30-2007	Ho, et. al.
		248.	7,209,437	04-24-2007	Hodgkinson, et. al.
	····	249.	7,212,574	05-01-2007	Abrams, Jr., et. al.
Change(s) b		250.	7,224,703	05-29-2007	Antal, et. al.
to document	5		7,237,254	06-26-2007	Microsoft Sorp. Omoiguí
/C.C.B./ 7/18/2017		1	7,239,703	07-03-2007	Higurashi, et. al.
		253.	7,249,264	07-24-2007	Belknap, et. al.
		254.	7,260,564	08-21-2007	Lyrin, et. al.
		255.	7,266,118	09-04-2007	ldo, et. al.
		256.	7,272,298	09-18-2007	Lang, et. al.
			7,272,658	09-18-2007	Edelman, et. al.
		258.	7,287,083	10-23-2007	Nay, et. al.
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			7,310,678	12-18-2007	Gunaseelan, et. al.
	•		7,318,017	01-08-2008	Swoboda
			7,330,902	02-12-2008	Bergenwall, et. al.
	i		7,334,016	02-19-2008	Fishhaut, et. al.
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	•		7,346,698	03-18-2008	Hannaway
			7,349,663	03-25-2008	Joseph
		268.	7,373,413	05-13-2008	Nguyen, et. al.
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	269.	7,376,710	05-20-2008	Cromwell, et. al.
		270.	1 1	07-08-2008	Guo, et. al.
			7,406,176	07-29-2008	Zhu, et. al.
			7,424,730	09-09-2008	Chou
		273.	7,434,052	10-07-2008	Rump
			7,448,062	11-04-2008	Bloch, et. al.
			7,471,834	12-30-2008	Sull, et. al.
		276.	7,478,164	01-13-2009	Lango, et. al.

Receipt date: 11/20/2016

Substitut	te for form 1449/PT	 O			Complete if Known		
					Application Number	15/283,544	
INF	ORMATIC	ON DI	SCL	OSURE	Filing Date	10/03/2016	
ST/	ATEMENT	r BY	APPI	LICANT	First Named Inventor	Harold Edward Price	
					Art Unit	2447	
	(Use as many sheets as necessary)				Examiner Name	N/A	
Sheet	6	of		12	Attorney Docket Number	0021-49-CON4B	

· (************************************	470	6,438,630	08-20-2002	Coddana
ļ			<u> </u>	DeMoney
		6,449,719	09-10-2002	Baker
	ŧ	6,452,943	09-17-2002	Furuya
	176.	6,487,663	11-26-2002	Jaisimha, et. al.
	177.	6,502,139	12-31-2002	Birk, et. al.
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	179.	6,535,920	03-18-2003	Parry, et. al.
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	183.	6,574,218	06-03-2003	Cookiev
	184.	6,588,015	07-01-2003	Eyer, et. al.
\$ \$``````	185.	6,594,699	07-15-2003	Sahai, et. al.
	186.	6,598,228	07-22-2003	Hejna, Jr.
***************************************	187	6,621,870	09-16-2003	Gordon, et. al.
,	188.	6,625,750	09-23-2003	Duso, et. al.
Change(s) applied	189.	6,637,031	10-21-2003	Chou
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	193.	6,711,741	03-23-2004	Yeo
	194.	6,715,007	03-30-2004	Williams, et. al.
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	199.	6,757,273	06-29-2004	Hsu, et. al.
}	200.	6,757,796	06-29-2004	Hofmann
	201.	6,763,178	07-13-2004	Suzuki, et. al.
hunnunun	202.	6,778,499	08-17-2004	Senarath, et. al.
	203.	6,788,686	09-07-2004	Khotimsky, et. al.
\}	204	6,792,468	09-14-2004	Bloch, et. al.
************	205.	6,806,909	10-19-2004	Radha, et. al.
	206.	6,829,368	12-07-2004	Meyer, et. al.
	207.	6,831,892	12-14-2004	Robinett, et. al.
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Receipt date: 11/20/2016

Complete if Known Substitute for form 1449/PTO 15/283,544 Application Number **INFORMATION DISCLOSURE** 10/03/2016 Filing Date STATEMENT BY APPLICANT Harold Edward Price First Named Inventor Art Unit 2447 (Use as many sheets as necessary) N/A Examiner Name 0021-49-CON4B Sheet 5 of 12 Attomey Docket Number

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	139.	6,138,147	10-24-2000	Weaver, et. al.
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Change(s) applied	142.	6,161,137	12-12-2000	Ogdón, et. al.
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Receipt date: 11/20/2016

Substitu	te for form 1449/PTO			Complete if Known		
				Application Number	15/283,544	
INF	ORMATION	DI	SCLOSURE	Filing Date	10/02/2016	
ST	ATEMENT E	Y A	\PPLICANT	First Named Inventor	Harold Edward Price	
				Art Unit	2447	
	(Use as many she	ets as	necessary)	Examiner Name	N/A	
Sheet	4	of	12	Attorney Docket Number	0021-49-CON4B	

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		120.	6,014,693	06-11-2000	Ito, et. al.
Change(s) a	pplied		6,014,694 _{01/200}	00-11-2000	Aharoni, et. al.
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/C.C.B./			6,018,359	01-25-2000	Kermode, et. al.
7/18/2017			6,029,194	02-22-2000	Tilt
/// =/		125.	6,032,189	02-29-2000	Jinzenji, et. al.
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Substitu	ute for form 1449/P	то			Complete if Known		
					Application Number	15/283,544	
INF	FORMATI	ON D	ISC	LOSURE	Filing Date	10/03/2016	
ST	ATEMEN	TBY	APF	LICANT	First Named Inventor	Harold Edward Price	
					Art Unit	2447	
	(Use as many sheets as necessary)				Examiner Name	N/A	
Sheet	2	of		12	Attorney Docket Number	0021-49-CON4B	

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	37.	5,517,672	05-14-1996	Reussner, et. al.
<u></u>	38.	5,521,630	05-28-1996	Chen, et. al.
\$	39.	5,526,353	06-11-1996	Henley, et. al.
\$	40.	5,533,021	07-02-1996	Branstad, et. al.
}	41.	5,541,852	07-30-1996	Eyuboglu, et. al.
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<u> </u>	43.	5,544,170	08-06-1996	Kasahara
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	47.	5,566,175	10-15-1996	Davis
ļ	48.	5,574,934	11-22-1996	Mirashrafi, et. al.
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	50.	5,583,561	12-10-1996	Baker, et. al.
<u> </u>	51.	5,583,563	12-10-1996	Wanderscheid, et. al.
ļ	52.	5,602,831	02-11-1997	Gaskill
<u> </u>	53.	5,610,841	03-11-1997	Tanaka, et. al.
	54.	5,613,032	03-18-1997	Cruz, et. al.
	55.	5,619,995	04-15-1997	Lobodzinski
	56.	5,621,660	04-15-1997	Chaddha, el, al.
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<u> </u>	58.	5,627,936	05-06-1997	Prasad, et. al.
<u></u>	59.	5,633,859	05-27-1997	Jain, et. al.
	60.	5,644,355	07-01-1997	Koz, et. al.
ļ	61.	5,661,665	08-26-1997	Glass, et. al.
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	62.	5,663,951	09-02-1997	Danneels, et. al.
<u> </u>	63.	5,664,044	09-02-1997	Ware
<u></u>	64.	5,664,116	09-02-1997	Gaytan, et. al.
nge(s) applied	65.	5,666,161	09-09-1997	Kohiyama, et. al.
locument	66.	5,668,948	09-16-1997	Balknap, et. al.
C.B./ 8/2017	67.	5,710,970 01/1998	01-20-2998	Walters, et. al.



UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/283,544	10/03/2016	Harold Edward Price	0021-49 CON4B	5655
25901 ERNEST D. BU	7590 08/16/201 IFF	EXAM	INER	
	JFF AND ASSOCIAT	MCLEOD, M.	ARSHALL M	
BEDMINSTER	a, NJ 07921	ART UNIT	PAPER NUMBER	
			2454	
			MAIL DATE	DELIVERY MODE
			08/16/2017	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.



UNITED STATES DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

Address: COMMISSIONER FOR PATENTS P.O. Box 1450

Alexandria, Virginia 22313-1450

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION		ATTORNEY DOCKET NO.
15/283,544	03 October, 2016	PRICE, HAROLD EDWAF	2D	0021-49 CON4B
				EXAMINER
ERNEST D. BUFF ERNEST D. BUFF AND A			MAR	SHALL MCLEOD
231 SOMERVILLE ROAD BEDMINSTER, NJ 0792	-		ART UNIT	PAPER
			2454	20170814

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

IDS's dated 06/15/2017 has been considered by the examiner.

Commissioner for Patents

/MARSHALL MCLEOD/	/AFTAB N. KHAN/
Examiner, Art Unit 2454	Primary Examiner, Art Unit 2454
,	
PTO-90C (Rev.04-03)	

PTO/SB/08a (03-15)

Doc code: IDS Approved for use through 07/31/2016. OMB 0651-0031 Doc description: Information Disclosure Statement (IDS) Filed U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

	Application Number		15283544
	Filing Date		2016-10-03
INFORMATION DISCLOSURE	First Named Inventor	Harc	old Edward Price
STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Art Unit		2454
(Not for Submission under or or it 1.00)	Examiner Name	MARS	SHALL M. MCLEOD
	Attorney Docket Number		0021-49-CON4B

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.M.M/

					U.S.I	PATENTS			Remove		
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue D)ate	Name of Pate of cited Docu	entee or Applicant ment	Releva		Lines where ges or Relev	
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Examiner Initial*	Cite N	e No Number Kind Publication Name of Patentee of Applicant Releva				es,Columns,Lines where want Passages or Relevant res Appear					
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Examiner Initial*		Foreign Document Number ³	Country Code ² i		Kind Code ⁴	Publication Date	Name of Patentee Applicant of cited Document	or V	vhere Rel	or Relevant	T5
	1										
If you wish to add additional Foreign Patent Document citation information please click the Add button Add											
	NON-PATENT LITERATURE DOCUMENTS Remove										
Examiner Initials* Cite No Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.						T5					

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number		15283544
Filing Date		2016-10-03
First Named Inventor Hard		old Edward Price
Art Unit		2454
Examiner Name	MARS	SHALL M. MCLEOD
Attorney Docket Number		0021-49-CON4B

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.M.M/

 لللم .	REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.M.M/
1	Eric Cole,"Hiding in Plain Sight: Steganography and the Art of Covert Communication," April 11, 2003; Wiley Publishing, Inc., ISBN-10: 0471444499.
2	Eugene T. Lin et al.,"Streaming video and rate scalable compression: what are the challenges for watermarking,"January 2004.
3	J.D. Gibson,"Multimedia Communications," November 2, 2000; ISBN-10: 0122821602.
4	Jens Meggers et al.,"A Video Gateway to Support Video Streaming to Mobile Clients," November 1998.
5	Ke Shen,"A Parallel Implementation of an MPEG1 Encoder: Faster Than Real-Time!" 1995.
6	Ketan Mayer-Patel,"Software only video production switcher for the Internet Mbone," February 1994.
7	Richard Karpinski,"Beyond HTML," April 1996; ISBN-10: 0078821983.
8	RealNetworks,"Real Player 7 Plus Manual," November 1999.
9	'MacPacSat," December 1998; Gilbert Mackall (N3RZN) & Dog Park Software Ltd. (VE3VRW).
10	Bob Breedlove et al., "Web Programming Unleashed," January 1996; ISBN-10: 1575211173.
11	Darrell D.E. Long, "A variable bandwidth broadcasting protocol for video-on-demand," January 1999.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number		15283544	
Filing Date		2016-10-03	
First Named Inventor Haro		old Edward Price	
Art Unit		2454	
Examiner Name MARS		SHALL M. MCLEOD	
Attorney Docket Number		0021-49-CON4B	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.M.M/

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12		Christopher Yavelow,"Music & Sound Bible," IDG Books Worldwide, In	nc.; July 1992; ISBN-10:	1878058185.					
13		Nathaniel Polish, "The Burstware Family of Protocols," January 1996.							
14		PR2015-01035 Decision Denying Rehearing; 4/4/2017.							
15		IPR2017-00784 Decision Instituting; 3/31/2017.							
16	;	IPR2017-00785 Decision Instituting; 4/13/2017.							
17		PR2017-00786 Decision Granting Joinder; 6/5/2017.							
18	8 IPR2017-00820 Decision Granting Joinder, 6/5/2017.								
If you wish to	ado	d additional non-patent literature document citation information p	please click the Add b	utton Add					
		EXAMINER SIGNATURE	_						
Examiner Signature /MARSHALL M MCLEOD/ Date Considered 08/14/2017									
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.									
¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.									

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number		15283544
Filing Date		2016-10-03
First Named Inventor Haro		old Edward Price
Art Unit		2454
Examiner Name MARS		SHALL M. MCLEOD
Attorney Docket Number		0021-49-CON4B

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

That no item of information contained in the information disclosure statement was cited in a communication from a
foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification
after making reasonable inquiry, no item of information contained in the information disclosure statement was known to
any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure
statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

- X The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
- X A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature		Date (YYYY-MM-DD)	2017-06-15
Name/Print	Ernest D. Buff	Registration Number	25833

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

- 1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.
- 2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
- 3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
- 4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
- 5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
- 6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
- 7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
- 8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
- 9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Commissioner for Patents United States Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450 www.uspto.gov

Application No.: 15283544

Applicant : Price

Filing Date : 10/03/2016 Date Mailed : 07/03/2017

NOTICE TO FILE CORRECTED APPLICATION PAPERS

Notice of Allowance Mailed

This application has been accorded an Allowance Date and is being prepared for issuance. The application, however, is incomplete for the reasons below.

Applicant is given two (2) months from the mail date of this Notice within which to respond. This time period for reply is extendable under 37 CFR 1.136(a) for only TWO additional MONTHS.

The application is not in compliance with 37 CFR 1.78, as indicated in the attachment. The consequences of failure to respond within the above-identified time period are set forth in the attachment.

Even if the Office has recognized a benefit claim and has entered it into the Office's database and included it on applicant's filing receipt, the benefit claim is not a proper benefit claim unless the reference in compliance with 37 CFR 1.78 is included, depending upon the application's filing date and as indicated in the attachment, in an application data sheet or in the first sentence(s) of the specification and all other requirements are met.

See attachment.

A copy of this notice <u>MUST</u> be returned with the reply. Please address response to "Mail Stop Issue Fee, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450".

/Vermel Wilson/ Publication Branch Office of Data Management (571) 272-4200

APPLICATION FILED <u>ON OR AFTER</u> SEPTEMBER 16, 2012, NOT IN COMPLIANCE WITH 37 CFR 1.78

X	The 37 CFR 1.78(d)(2) reference on the application data sheet does not indicate the relationship (continuation, division, continuation-in-part) to the prior U.S. nonprovisional application or international application designating the U.S. See document coded <u>ADS</u> dated <u>10/03/2016</u> , listing application number(s) <u>10825869</u> .
	The 37 CFR $1.78(d)(2)$ reference on the application data sheet does not indicate the relationship (continuation, division, continuation-in-part) to the prior international application designating the U.S. but instead indicates that an application is the national stage of the prior international application. However, the application was filed as a 35 U.S.C. 111 application and was not processed as a 35 U.S.C. 371 application, thus removing the validating link under 35 U.S.C. $119(a)$ -(d) to a prior foreign application or under 35 U.S.C. $119(e)$ to a prior U.S. provisional application. See document coded dated, listing application number(s).
	The 37 CFR $1.78(d)(2)$ reference on the application data sheet does not provide the U.S. nonprovisional application number (series code and serial number) or, with respect to an international PCT application designating the U.S., it provides the international application number or international filing date but not both. See document coded dated, in which the following is missing:
	The 37 CFR $1.78(d)(2)$ reference on the application data sheet shows an incorrect, incomplete, or illegible U.S. nonprovisional application number, international PCT application number, or international PCT filing date. See document coded dated , in which the following error was made: .
	The 37 CFR $1.78(d)(2)$ reference to the prior U.S. nonprovisional application or international application designating the U.S. is not present on an application data sheet, thus removing the validating link under 35 U.S.C. $119(a)$ -(d) to a prior foreign application or under 35 U.S.C. $119(e)$ to a prior U.S. provisional application. See document coded dated, in which the following is missing:
	The 37 CFR $1.78(d)(2)$ reference to the prior U.S. nonprovisional application or international application designating the U.S. is not present on an application data sheet.
	The 37 CFR 1.78(a)(3) reference to the prior U.S. provisional application is not present on an application data sheet.
	The 37 CFR 1.78(a)(3) reference to the prior U.S. provisional application on an application data sheet does not provide the provisional application number (series code and serial number). See document coded dated, in which the following is missing:
	The 37 CFR 1.78(a)(3) reference to the prior U.S. provisional application on an application data sheet shows an incorrect, incomplete, or illegible U.S. provisional application number. See document coded dated, in which the following error was made:
	Other: .

HOW TO RESPOND

A proper response to this notice would include any one of: (1) a corrected Application Data Sheet (ADS) pursuant to 37 CFR 1.76(c) which provides benefit information that complies with 37 CFR 1.78(d)(2) or 37 CFR 1.78(a)(3) or (2) a petition filed pursuant to the provisions of 37 CFR 1.78(e) or 37 CFR 1.78(c) if the benefit information from the document identified above by code and date does not accurately reflect the benefits under 35 U.S.C. 119(e), 120, 121, 365(c) or 386(c) as claimed by applicant (a grantable petition would include a corrected ADS pursuant to 37 CFR 1.76(c)). In general, a petition would be required unless the proper benefit claim information was included on a properly signed ADS submitted with the application on filing, or a properly signed corrected ADS in compliance with 37 CFR 1.76(c) (e.g., with underlining to show insertions) that was filed within the time period in 37 CFR 1.78 for making the benefit claim(s), or the Office recognized the benefit claim(s) on the initial filing receipt. Such response may be filed after payment of the issue fee if limited to informalities noted herein. See Waiver of 37 CFR 1.312 for Document Required by Office of Patent Publication, 1280 Off. Gaz. Patent Office 918 (March 23, 2004).

<u>WARNING:</u> If Applicant fails to timely submit a proper response, the benefit information will be deleted and the patent will be printed without the benefit information present.

Electronic Ack	Electronic Acknowledgement Receipt				
EFS ID:	29762341				
Application Number:	15283544				
International Application Number:					
Confirmation Number:	5655				
Title of Invention:	STREAMING MEDIA DELIVERY SYSTEM				
First Named Inventor/Applicant Name:	Harold Edward Price				
Customer Number:	25901				
Filer:	ERNEST D BUFF/Ernest Buff				
Filer Authorized By:	ERNEST D BUFF				
Attorney Docket Number:	0021-49 CON4B				
Receipt Date:	12-JUL-2017				
Filing Date:	03-OCT-2016				
Time Stamp:	15:25:36				
Application Type:	Utility under 35 USC 111(a)				

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Post Allowance Communication - Incoming	0021-49 CON 4B-Response-to- Correct Applic Papers. pdf	35224 ab2fffcd6ca88dc2528d32201a21d8224c45 50d8	no	2
Warnings:				IPR2	022-01227

Information:					
			851851		
2	Application Data Sheet	15283544-Corrected-ADS.pdf	1350bb33a60db8761784d283ba1480e7cc 09fe73	no	9
Warnings:					
Information:					
This is not an U	ISPTO supplied ADS fillable form				
			119510		
3	Miscellaneous Incoming Letter	15283544-NOTICE.pdf	6fdaf1209d23466d064c3a7f6e55c80c57e6 e892	no	2
Warnings:					
Information:	1				
		Total Files Size (in bytes)	10	06585	

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : WAG ACQUISITION, Customer No. : 25901

L.L.C.

Serial No. : 15/283,544 Confirmation No. : 5655

Filed : October 3, 2016 Group Art Unit : 2454

Examiner : Marshall M. McLeod

For : STREAMING MEDIA DELIVERY SYSTEM

Response to Notice to File Corrected Application Papers

VIA ELECTRONIC FILING

Mail Stop Issue Fee

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

In response to the Notice to File Corrected Application Papers dated July 3, 2017,

Applicant hereby submits a Corrected Application Data Sheet. A copy of the Notice is attached.

The Notice to File Corrected Application Papers notes that the previously filed ADS does

not indicate a relationship between the present application and Application No. 10/825,869. The

Corrected ADS removes the reference to Application No. 10/825,869. Applicant notes that this

conforms the ADS to the priority claim recognized on the Filing Receipt.

Applicant authorizes the Commissioner to charge any additional fees and/or credit any

overpayments associated with this paper to Deposit Account No. 06-1448, Ref. No.

33986.00002. Further, if a fee is required for an extension of time under 37 C.F.R. § 1.136 not

1

B4706684.1

provided for above, Applicant requests such extension and authorizes the charging of the extension fee to Deposit Account No. 06-1448, Ref. No. 33986.00002.

Dated: July 12, 2017 Respectfully submitted,

/Ernest D. Buff/

Ernest D. Buff (Reg. No. 25,833)

Ernest D. Buff & Associates, LLC 231 Somerville Road Bedminster, NJ 07921

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	0021-49-CON4B
		Application Number	
Title of Invention	STREAMING MEDIA DELIVE	RY SYSTEM	
bibliographic data arran This document may be	nged in a format specified by the Uni	ted States Patent and Trademark O nitted to the Office in electronic for	being submitted. The following form contains the ffice as outlined in 37 CFR 1.76. The firmat using the Electronic Filing System (EFS) or the

Secrecy Order 37 CFR 5.2:

	$_{ m o}$ Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant	to
L	[⊥] 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)	

Inventor Information:

Invent Legal I		1								Re	move	
Prefix	Give	en Name			Middle Name	<u> </u>			Family N	Name		Suffix
	Haro	ld			Edward				PRICE			
Resid	ence	Information ((Select One)	•	US Residency	0	Non	US Re	sidency (Active	e US Military Service	!
City	Beth	el Park		St	ate/Province	PA	С	ountr	y of Resid	lence	US	
Mailing	Addr	ess of Invent	tor:				1			-		
Addre	ss 1		5949 Pudding	g Sto	one Lane							
Addre	ss 2											
City		Bethel Park					State	e/Prov	/ince	PA		
Postal	Postal Code 15102 Country i US											
			isted - Addit by selecting		al Inventor Info Add button.	rmat	tion bl	locks	may be		Add	

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below. For further information see 37 CFR 1.33(a).						
Name 1	Name 2					
Address 1	Ernest D. Buff & Associates, LLC	rnest D. Buff & Associates, LLC				
Address 2	231 Somerville Road	231 Somerville Road				
City	Bedminster	State/Province NJ				
Country i US		Postal Code	07921			
Phone Number	908-901-0220	Fax Number	908-901-0330			
Email Address	EBuff@edbuff.com		Add Email	Remove Email		

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	0021-49-CON4B
Application Data Sheet 37 CFR 1.76		Application Number	
Title of Invention	tle of Invention STREAMING MEDIA DELIVERY SYSTEM		

Application Information:

Application inform	ation.						
Title of the Invention	STREAMING MEDI	A DELIVERY SYST	ΕM				
Attorney Docket Number	0021-49-CON4B		Small Entity Status Claimed ⊠				
Application Type	Nonprovisional						
Subject Matter	Utility	Jtility					
Total Number of Drawing	Sheets (if any)	3	Suggested Fig	gure for Publication (if any)	1		
Filing By Reference	e:						
For the purposes of a filing date u reference to the previously filed a Application number of the previ	nder 37 CFR 1.53(b), the	e description and any	drawings of the pre	and "Foreign Priority Information"). esent application are replaced by thi 7(a). Intellectual Property Authority or	i_		
filed application							
Publication Inform	nation:						
Request Early Publica	tion (Fee required a	at time of Request	37 CFR 1.219)				
35 U.S.C. 122(b) and	certify that the inve	ntion disclosed in	the attached app	cation not be published under lication has not and will not b rnational agreement, that requi	be the		

Representative Information:

publication at eighteen months after filing.

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing. Please Select One: **Customer Number** US Patent Practitioner Limited Recognition (37 CFR 11.9) Prefix **Given Name** Middle Name **Family Name** Suffix Remove D. Mr. Ernest Buff 25833 Registration Number Additional Representative Information blocks may be generated within this form by selecting the Add button.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	0021-49-CON4B
		Application Number	
Title of Invention	STREAMING MEDIA DELIVE	RY SYSTEM	

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, 365(c), or 386(c) or indicate National Stage entry from a PCT application. Providing benefit claim information in the Application Data Sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.

When referring to the current application, please leave the "Application Number" field blank.

Prior Applicat	ion Status	Pending		Remove			
Application N	Number	Cont	inuity Type	Prior Application Number		Filing or 371(c) Date (YYYY-MM-DD)	
Continuati			of	13815040		2013-01-25	
Prior Application Status		Patented				Rei	nove
Application Number	Cont	inuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Pat	tent Number	Issue Date (YYYY-MM-DD)
13815040	Continua	tion of	13385375	2012-02-16	83	64839	2013-01-29
Prior Applicat	ion Status	Patented			•	Rei	nove
Application Number	Cont	inuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Pat	tent Number	Issue Date (YYYY-MM-DD)
13385375 Continuatio		tion of	12800177	2010-05-10 81856		85611	2012-05-22
Prior Application Status		Patented		Remove			nove
Application Number Continuity Type		inuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)		tent Number	Issue Date (YYYY-MM-DD)
12800177	Continua	tion of	10893814	2004-07-19 7716358		16358	2010-05-11
Prior Applicat	ion Status	Patented		Remove		nove	
Application Number	Cont	inuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Pat	tent Number	Issue Date (YYYY-MM-DD)
10893814	Continuat	tion in part of	09819337	2001-03-28 6766376		66376	2004-07-20
Prior Applicat	ion Status	Expired		Rem		nove	
Application N	Number	Continuity Type		Prior Application Number Filing or 371(c) E			
09819337		Claims benefi	t of provisional	60231997 2000-09-12			
-Prior Applicat	ion Status	Patented-				Rei	nove
Application Number	Cont	inuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Pa	ent Number	Issue Date (YYYY-MM-DD)
10825869 Continuati		tion of	09819337	2001 03 28	67	66376	2004-07-20

Foreign Priority Information:

by selecting the Add button.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	0021-49-CON4B
		Application Number	
Title of Invention	n STREAMING MEDIA DELIVERY SYSTEM		

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55. When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX)¹ the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(i)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

			Remove
Application Number	Country ⁱ	Filing Date (YYYY-MM-DD)	Access Code ⁱ (if applicable)
Additional Foreign Priority	Data may be generated wit	hin this form by selecting the	
Add button.			

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also
contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March
16, 2013.
NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March
16, 2013, will be examined under the first inventor to file provisions of the AIA.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	0021-49-CON4B
		Application Number	
Title of Invention	STREAMING MEDIA DELIVE	RY SYSTEM	

Authorization or Opt-Out of Authorization to Permit Access:

When this Application Data Sheet is properly signed and filed with the application, applicant has provided written authority to permit a participating foreign intellectual property (IP) office access to the instant application-as-filed (see paragraph A in subsection 1 below) and the European Patent Office (EPO) access to any search results from the instant application (see paragraph B in subsection 1 below).

Should applicant choose not to provide an authorization identified in subsection 1 below, applicant <u>must opt-out</u> of the authorization by checking the corresponding box A or B or both in subsection 2 below.

NOTE: This section of the Application Data Sheet is **ONLY** reviewed and processed with the **INITIAL** filing of an application. After the initial filing of an application, an Application Data Sheet cannot be used to provide or rescind authorization for access by a foreign IP office(s). Instead, Form PTO/SB/39 or PTO/SB/69 must be used as appropriate.

- 1. Authorization to Permit Access by a Foreign Intellectual Property Office(s)
- A. <u>Priority Document Exchange (PDX)</u> Unless box A in subsection 2 (opt-out of authorization) is checked, the undersigned hereby <u>grants the USPTO authority</u> to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the State Intellectual Property Office of the People's Republic of China (SIPO), the World Intellectual Property Organization (WIPO), and any other foreign intellectual property office participating with the USPTO in a bilateral or multilateral priority document exchange agreement in which a foreign application claiming priority to the instant patent application is filed, access to: (1) the instant patent application-as-filed and its related bibliographic data, (2) any foreign or domestic application to which priority or benefit is claimed by the instant application and its related bibliographic data, and (3) the date of filing of this Authorization. See 37 CFR 1.14(h) (1).
- **B.** Search Results from U.S. Application to EPO Unless box B in subsection 2 (opt-out of authorization) is checked, the undersigned hereby grants the USPTO authority to provide the EPO access to the bibliographic data and search results from the instant patent application when a European patent application claiming priority to the instant patent application is filed. See 37 CFR 1.14(h)(2).

The applicant is reminded that the EPO's Rule 141(1) EPC (European Patent Convention) requires applicants to submit a copy of search results from the instant application without delay in a European patent application that claims priority to the instant application.

2.	Opt-Out of Authorizations to Permit Access by a Foreign intellectual Property Office(s)
	A. Applicant DOES NOT authorize the USPTO to permit a participating foreign IP office access to the instant application-as-filed. If this box is checked, the USPTO will not be providing a participating foreign IP office with any documents and information identified in subsection 1A above.
	B. Applicant <u>DOES NOT</u> authorize the USPTO to transmit to the EPO any search results from the instant patent application. If this box is checked, the USPTO will not be providing the EPO with search results from the instant application.

NOTE: Once the application has published or is otherwise publicly available, the USPTO may provide access to the application in accordance with 37 CFR 1.14.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	0021-49-CON4B
		Application Number	
Title of Invention	STREAMING MEDIA DELIVERY SYSTEM		

Applicant Information:

	Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.							
Applicant 1								
The information to be pro 1.43; or the name and a who otherwise shows su applicant under 37 CFR	ovided in this s ddress of the a fficient proprie 1.46 (assigne	section is the name and address assignee, person to whom the in stary interest in the matter who i e, person to whom the inventor	s of the legal representa nventor is under an oblig s the applicant under 37 is obligated to assign, o), this section should not be completed. ative who is the applicant under 37 CFR gation to assign the invention, or person 7 CFR 1.46. If the applicant is an or person who otherwise shows sufficient ors who are also the applicant should be				
Assignee								
Person to whom the inventor is obligated to assign. Person who shows sufficient proprietary interest								
If applicant is the lega	representat	ive, indicate the authority to	file the patent applicat	tion, the inventor is:				
Name of the Decease	d or Legally	Incapacitated Inventor:						
If the Applicant is an	Organizatio	n check here.						
Organization Name	WAG AC	QUISITION, L.L.C.						
Mailing Address Inf	ormation F	or Applicant:						
Address 1	3 Go	d Mine Road, Suite 104						
Address 2								
City	Fland	lers	State/Province	NJ				
Country ⁱ US			Postal Code	07836				
Phone Number	973-6	91-8717	Fax Number	973-691-7427				
Email Address bill@surfernetwork.com								
Additional Applicant D	ata may be (generated within this form by	selecting the Add bu	itton.				

Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76			Attorney Doo	ket Number	0021-49	9-CON4B		
Applicatio	ii Dala S)	CFK 1.70	Application N	lumber			
Title of Inven	tion ST	REAMING	MEDIA DELIVEI	RY SYSTEM		•		
Assignee	1							
application publ	ication. An a n applicant.	assignee-a _l For an ass	oplicant identifie	d in the "Applica	ant Informatio	n" section w	ill appear on the	ided on the patent patent application is also desired on the
If the Assigne	ee or Non-	Applicant .	Assignee is an	Organization	check here.			
Prefix		Given N	lame	Middle Nam	ne	Family N	ame	Suffix
Mailing Addre	ess Inform	nation For	Assignee inc	luding Non-A	Applicant A	ssignee:		
Address 1								
Address 2								
City					State/Pro	vince		
Country ⁱ		·			Postal Code			
Phone Numb	er				Fax Number			
Email Addres	ss							
Additional Ass selecting the	-		ant Assignee l	Data may be g	enerated w	ithin this fo	rm by	
Signature	-							
NOTE: This Application Data Sheet must be signed in accordance with 37 CFR 1.33(b). However, if this Application Data Sheet is submitted with the INITIAL filing of the application and either box A or B is not checked in subsection 2 of the "Authorization or Opt-Out of Authorization to Permit Access" section, then this form must also be signed in accordance with 37 CFR 1.14(c). This Application Data Sheet must be signed by a patent practitioner if one or more of the applicants is a juristic entity (e.g., corporation or association). If the applicant is two or more joint inventors, this form must be signed by a patent practitioner, all joint inventors who are the applicant, or one or more joint inventor-applicants who have been given bower of attorney (e.g., see USPTO Form PTO/AIA/81) on behalf of all joint inventor-applicants. See 37 CFR 1.4(d) for the manner of making signatures and certifications.								
Signature	/Ernest D. I	Buff/				Date ((YYYY-MM-DD)	2016-10-03
First Name	Ernest		Last Name	Buff		Regist	ration Number	25,833
Additional Si	Additional Signature may be generated within this form by selecting the Add button.							

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	0021-49-CON4B
		Application Number	
Title of Invention	STREAMING MEDIA DELIVE	RY SYSTEM	

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

- 1 The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
- 2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
- A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
- 4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
- 5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent CooperationTreaty.
- 6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
- 7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
- 8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
- 9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

IPR2022-0122



UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/283,544	283,544 10/03/2016 Harold Edward Price		0021-49 CON4B	5655
25901 ERNEST D. B	7590 07/03/2017		EXAM	IINER
	UFF AND ASSOCIATES	S, LLC.	MCLEOD, M.	ARSHALL M
BEDMINSTE			ART UNIT	PAPER NUMBER
			2454	
			MAIL DATE	DELIVERY MODE
			07/03/2017	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Commissioner for Patents United States Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450 www.uspto.gov

Application No.: 15283544

Applicant : Price

Filing Date : 10/03/2016 Date Mailed : 07/03/2017

NOTICE TO FILE CORRECTED APPLICATION PAPERS

Notice of Allowance Mailed

This application has been accorded an Allowance Date and is being prepared for issuance. The application, however, is incomplete for the reasons below.

Applicant is given two (2) months from the mail date of this Notice within which to respond. This time period for reply is extendable under 37 CFR 1.136(a) for only TWO additional MONTHS.

The application is not in compliance with 37 CFR 1.78, as indicated in the attachment. The consequences of failure to respond within the above-identified time period are set forth in the attachment.

Even if the Office has recognized a benefit claim and has entered it into the Office's database and included it on applicant's filing receipt, the benefit claim is not a proper benefit claim unless the reference in compliance with 37 CFR 1.78 is included, depending upon the application's filing date and as indicated in the attachment, in an application data sheet or in the first sentence(s) of the specification and all other requirements are met.

See attachment.

A copy of this notice <u>MUST</u> be returned with the reply. Please address response to "Mail Stop Issue Fee, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450".

/Vermel Wilson/ Publication Branch Office of Data Management (571) 272-4200

APPLICATION FILED <u>ON OR AFTER</u> SEPTEMBER 16, 2012, NOT IN COMPLIANCE WITH 37 CFR 1.78

X	The 37 CFR 1.78(d)(2) reference on the application data sheet does not indicate the relationship (continuation, division, continuation-in-part) to the prior U.S. nonprovisional application or international application designating the U.S. See document coded <u>ADS</u> dated <u>10/03/2016</u> , listing application number(s) <u>10825869</u> .
	The 37 CFR $1.78(d)(2)$ reference on the application data sheet does not indicate the relationship (continuation, division, continuation-in-part) to the prior international application designating the U.S. but instead indicates that an application is the national stage of the prior international application. However, the application was filed as a 35 U.S.C. 111 application and was not processed as a 35 U.S.C. 371 application, thus removing the validating link under 35 U.S.C. $119(a)$ -(d) to a prior foreign application or under 35 U.S.C. $119(e)$ to a prior U.S. provisional application. See document coded dated, listing application number(s).
	The 37 CFR $1.78(d)(2)$ reference on the application data sheet does not provide the U.S. nonprovisional application number (series code and serial number) or, with respect to an international PCT application designating the U.S., it provides the international application number or international filing date but not both. See document coded dated, in which the following is missing: .
	The 37 CFR $1.78(d)(2)$ reference on the application data sheet shows an incorrect, incomplete, or illegible U.S. nonprovisional application number, international PCT application number, or international PCT filing date. See document coded dated , in which the following error was made: .
	The 37 CFR $1.78(d)(2)$ reference to the prior U.S. nonprovisional application or international application designating the U.S. is not present on an application data sheet, thus removing the validating link under 35 U.S.C. $119(a)$ -(d) to a prior foreign application or under 35 U.S.C. $119(e)$ to a prior U.S. provisional application. See document coded dated, in which the following is missing:
	The 37 CFR $1.78(d)(2)$ reference to the prior U.S. nonprovisional application or international application designating the U.S. is not present on an application data sheet.
	The 37 CFR 1.78(a)(3) reference to the prior U.S. provisional application is not present on an application data sheet.
	The 37 CFR $1.78(a)(3)$ reference to the prior U.S. provisional application on an application data sheet does not provide the provisional application number (series code and serial number). See document coded dated, in which the following is missing:
	The 37 CFR 1.78(a)(3) reference to the prior U.S. provisional application on an application data sheet shows an incorrect, incomplete, or illegible U.S. provisional application number. See document coded dated, in which the following error was made:
	Other: .

HOW TO RESPOND

A proper response to this notice would include any one of: (1) a corrected Application Data Sheet (ADS) pursuant to 37 CFR 1.76(c) which provides benefit information that complies with 37 CFR 1.78(d)(2) or 37 CFR 1.78(a)(3) or (2) a petition filed pursuant to the provisions of 37 CFR 1.78(e) or 37 CFR 1.78(c) if the benefit information from the document identified above by code and date does not accurately reflect the benefits under 35 U.S.C. 119(e), 120, 121, 365(c) or 386(c) as claimed by applicant (a grantable petition would include a corrected ADS pursuant to 37 CFR 1.76(c)). In general, a petition would be required unless the proper benefit claim information was included on a properly signed ADS submitted with the application on filing, or a properly signed corrected ADS in compliance with 37 CFR 1.76(c) (e.g., with underlining to show insertions) that was filed within the time period in 37 CFR 1.78 for making the benefit claim(s), or the Office recognized the benefit claim(s) on the initial filing receipt. Such response may be filed after payment of the issue fee if limited to informalities noted herein. See Waiver of 37 CFR 1.312 for Document Required by Office of Patent Publication, 1280 Off. Gaz. Patent Office 918 (March 23, 2004).

<u>WARNING:</u> If Applicant fails to timely submit a proper response, the benefit information will be deleted and the patent will be printed without the benefit information present.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents

P.O. Box 1450 Alexandria, Virginia 22313-1450

(571)-273-2885 or <u>Fax</u>

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

25901

7590

06/20/2017

ERNEST D. BUFF ERNEST D. BUFF AND ASSOCIATES, LLC. 231 SOMERVILLE ROAD BEDMINSTER, NJ 07921

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)	Ernest D. Buff
(Signature)	/Ernest D. Buff/
(Date)	June 30, 2017

			<u>I</u>				(Bigilattire)			
				June 30, 2017						
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	TOR ATTORNE		RNEY DOCKET NO.	CONFIRMATION NO.			
15/283,544	10/03/2016	•	Harold Edward Price		0021-4		5655			
TITLE OF INVENTION	: STREAMING MEDIA	DELIVERY SYSTEM								
APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSU	UE FEE	TOTAL FEE(S) DUE	DATE DUE			
nonprovisional	SMALL	\$480	\$0	\$0		\$480	09/20/2017			
EXAM	UNER	ART UNIT	CLASS-SUBCLASS	7						
MCLEOD, M.	ARSHALL M	2454	709-219000	_						
1. Change of corresponde CFR 1.363).		2. For printing on the (1) The names of up t	o 3 registered pate		_{eys} 1 Ernest D	. Buff				
Address form PTO/SI	ondence address (or Cha 3/122) attached.	inge of Correspondence	or agents OR, alternat		a membe	er a 2 Ernest D.	Buff & Associates, LLC			
"Fee Address" ind PTO/SB/47; Rev 03-0 Number is required.	ication (or "Fee Address 22 or more recent) attach	(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 Ernest D. Buil & Associates, 2 Ernest D. Buil & Associates, 3								
			THE PATENT (print or ty	1 /						
PLEASE NOTE: Unl recordation as set fort	less an assignee is ident h in 37 CFR 3.11. Com	ified below, no assignee oletion of this form is NC	data will appear on the port of the port o	oatent. If an assig assignment.	nee is id	entified below, the do	cument has been filed for			
(A) NAME OF ASSIG		•	(B) RESIDENCE: (CITY and STATE OR COUNTRY)							
WAG ACQ	UISITION, L.L.	FLANDERS, NEW JERSEY								
Please check the appropr	iate assignee category or	categories (will not be p	orinted on the patent):	Individual 🛚 (Corporatio	on or other private gro	up entity 🗖 Government			
4a. The following fee(s)	are submitted:	4	b. Payment of Fee(s): (Ple	ase first reapply a	any previ	iously paid issue fee s	hown above)			
Issue Fee			A check is enclosed.							
☐ Publication Fee (N☐ Advance Order - #	No small entity discount p	Payment by credit card. Form PTO-2038 is attached.								
Advance Order - #	FOI Copies	The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number <u>061448</u> (enclose an extra copy of this form).								
5. Change in Entity Sta	tus (from status indicate	d above)								
Applicant certifyir	ng micro entity status. Se	NOTE: Absent a valid of	ertification of Mici	ro Entity Il not be a	Status (see forms PTC	/SB/15A and 15B), issue application abandonment.				
Applicant asserting	g small entity status. See	NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.								
Applicant changin	g to regular undiscounte	d fee status.	NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.							
NOTE: This form must b	e signed in accordance v	with 37 CFR 1.31 and 1.3	33. See 37 CFR 1.4 for sign	nature requirement	s and cert	ifications.				
Authorized Signature	/Ernest D. B	uff/		DateJ	une 30	, 2017				
Typed or printed name	e Ernest D. Buff			Registration	No25	,833				

Electronic Patent Application Fee Transmittal							
Application Number:	15283544						
Filing Date:	03-Oct-2016						
Title of Invention:	STREAMING MEDIA DELIVERY SYSTEM						
First Named Inventor/Applicant Name:	Harold Edward Price						
Filer:	ERNEST D BUFF/Ernest Buff						
Attorney Docket Number:	0021-49 CON4B						
Filed as Small Entity							
Filing Fees for Utility under 35 USC 111(a)							
Description		Fee Code	Quantity	Amount	Sub-Total in USD(\$)		
Basic Filing:							
Pages:							
Claims:							
Miscellaneous-Filing:							
Petition:							
Patent-Appeals-and-Interference:							
Post-Allowance-and-Post-Issuance:							
UTILITY APPL ISSUE FEE		2501	1	480	480		

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
	Tot	al in USD	(\$)	480

Electronic Acknowledgement Receipt			
EFS ID:	29667049		
Application Number:	15283544		
International Application Number:			
Confirmation Number:	5655		
Title of Invention:	STREAMING MEDIA DELIVERY SYSTEM		
First Named Inventor/Applicant Name:	Harold Edward Price		
Customer Number:	25901		
Filer:	ERNEST D BUFF/Ernest Buff		
Filer Authorized By:	ERNEST D BUFF		
Attorney Docket Number:	0021-49 CON4B		
Receipt Date:	30-JUN-2017		
Filing Date:	03-OCT-2016		
Time Stamp:	14:52:48		
Application Type:	Utility under 35 USC 111(a)		

Payment information:

Submitted with Payment	no
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File Listing:

1 Issue Fee Payment (PTO-85B) 15-283544-0021-49CON4B- IssueFee.pdf 158819 no 1 obitaf5a0dfbb223c1dd87f0c35b6cacd1725 a0ec	Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
	1	Issue Fee Payment (PTO-85B)		061af5a0dfbb223c1dd87f0c35b6cacd1725	no	1

Warnings: IPR2022-012

Information:	:				
			30556		
2	Fee Worksheet (SB06)	fee-info.pdf	9437ca097fa68c8602ba9bd17c4dc7a258d e85f7	no	2
Warnings:					
Information:	1				
		Total Files Size (in bytes):	17	89375	

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents

P.O. Box 1450 Alexandria, Virginia 22313-1450

(571)-273-2885 or <u>Fax</u>

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

25901 7590 ERNEST D. BUFF

ERNEST D. BUFF AND ASSOCIATES, LLC.

06/20/2017

231 SOMERVILLE ROAD BEDMINSTER, NJ 07921

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

Ernest D. Buff	(Depositor's name)
/Ernest D. Buff/	(Signature)
June 30, 2017	(Date)

				June 30	, 2017	(Date)
	_					
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	A	TTORNEY DOCKET NO.	CONFIRMATION NO.
15/283,544 TITLE OF INVENTION	10/03/2016 STREAMING MEDIA	A DELIVERY SYSTEM	Harold Edward Price		0021-49 CON4B	5655
APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE F	EE TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$480	\$0	\$0	\$480	09/20/2017
EXAM	INER	ART UNIT	CLASS-SUBCLASS	1		
MCLEOD, M.	ARSHALL M	2454	709-219000	_		
_	ondence address (or Cha 3/122) attached. ication (or "Fee Address 12 or more recent) attach	ange of Correspondence	2. For printing on the p (1) The names of up to or agents OR, alternati (2) The name of a sing registered attorney or 2 registered patent atto listed, no name will be	o 3 registered patent a vely, de firm (having as a m agent) and the names orneys or agents. If no	Enn ant D	D. Buff Buff & Associates, LL
(A) NAME OF ASSIG	GNEE UISITION, L.L.	C.	e data will appear on the pOT a substitute for filing an (B) RESIDENCE: (CITY FLANDERS, No printed on the patent):	Y and STATE OR CO	UNTRY)	ocument has been filed for but the formula occurrence out the formula occurrence occurre
4a. The following fee(s)	are submitted: Jo small entity discount		4b. Payment of Fee(s): (Ple : A check is enclosed. Payment by credit ca	rd. Form PTO-2038 is	attached. the required fee(s), any def	
Applicant asserting	tus (from status indicate ng micro entity status. Se g small entity status. See g to regular undiscounte	ee 37 CFR 1.29 e 37 CFR 1.27	NOTE: If the application to be a notification of los NOTE: Checking this bo	was previously under s of entitlement to mid x will be taken to be a	ntity Status (see forms PTC of the accepted at the risk of micro entity status, checker cro entity status.	ing this box will be taken
NOTE: This form must b	ne signed in accordance s	with 37 CER 1 31 and 1	entity status, as applicable 33. See 37 CFR 1.4 for sign		d certifications	
Authorized Signature			.55. 566 57 CFR 1.7 for Sign	·	e 30, 2017	
Typed or printed nam	e Ernest D. Buff			Registration No.	25,833	

Electronic Patent Application Fee Transmittal						
Application Number:	152	15283544				
Filing Date:	03-	-Oct-2016				
Title of Invention:	STI	REAMING MEDIA DE	ELIVERY SYSTEI	М		
First Named Inventor/Applicant Name:	Harold Edward Price					
Filer:	Eril	k Alexander Huestis	/Juliette Ferrig	ino		
Attorney Docket Number:	002	21-49 CON4B				
Filed as Small Entity						
Filing Fees for Utility under 35 USC 111(a)						
Description		Fee Code	Quantity	Amount	Sub-Total in USD(\$)	
Basic Filing:						
Pages:						
Claims:						
Miscellaneous-Filing:						
Petition:						
Patent-Appeals-and-Interference:						
Post-Allowance-and-Post-Issuance:						
UTILITY APPL ISSUE FEE		2501	1	480	480	

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
	Tot	al in USD	(\$)	480

Electronic Acknowledgement Receipt			
EFS ID:	29673211		
Application Number:	15283544		
International Application Number:			
Confirmation Number:	5655		
Title of Invention:	STREAMING MEDIA DELIVERY SYSTEM		
First Named Inventor/Applicant Name:	Harold Edward Price		
Customer Number:	25901		
Filer:	Erik Alexander Huestis/Juliette Ferrigno		
Filer Authorized By:	Erik Alexander Huestis		
Attorney Docket Number:	0021-49 CON4B		
Receipt Date:	30-JUN-2017		
Filing Date:	03-OCT-2016		
Time Stamp:	19:17:09		
Application Type:	Utility under 35 USC 111(a)		

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	\$480
RAM confirmation Number	070317INTEFSW00007110061448
Deposit Account	061448
Authorized User	Juliette Ferrigno

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

37 CFR 1.16 (National application filing, search, and examination fees)

37 CFR 1.17 (Patent application and reexamination processing fees)

IPR2022-01227

37 CFR 1.19 (Document supply fees)37 CFR 1.20 (Post Issuance fees)37 CFR 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
			79446		
1	Issue Fee Payment (PTO-85B)	15283544_Issue_Fee.pdf	ed620d7ec474b1a98d87fe54d676014a895 d019c	no	1
Warnings:					
Information:					
			30821		
2	Fee Worksheet (SB06)	fee-info.pdf	6195315a939f4e4d97469e92a065e22d8a4 7a1f8	no	2
Warnings:					
Information:					
		Total Files Size (in bytes)	11	10267	

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

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New International Application Filed with the USPTO as a Receiving Office

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The

PART B - FEE(S) TRANSMITTAL OPAR Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 JUN 3 0 2017 Alexandria, Virginia 22313-1450 or <u>Fax</u> (571)-273-2885 INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further expondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications. Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission. CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below. 25901 7590 06/20/2017 ERNEST D. BUFF ERNEST D. BUFF AND ASSOCIATES, LLC. 231 SOMERVILLE ROAD Ernest D. Buff (Depositor's name) BEDMINSTER, NJ 07921 /Emest D. Buff/ (Signature June 30, 2017 (Date FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. APPLICATION NO. FILING DATE 0021-49 CON4B 5655 15/283,544 10/03/2016 Harold Edward Price TITLE OF INVENTION: STREAMING MEDIA DELIVERY SYSTEM PUBLICATION FEE DUE PREV. PAID ISSUE FEE TOTAL FEE(S) DUE DATE DUE APPLN. TYPE ENTITY STATUS ISSUE FEE DUE 09/20/2017 **SMALL** \$480 nonprovisional EXAMINER ART UNIT CLASS-SUBCLASS 709-219000 MCLEOD, MARSHALL M 2454 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 2. For printing on the patent front page, list 1 Ernest D. Buff (1) The names of up to 3 registered patent attorneys or agents OR, alternatively, Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. 2 Ernest D. Buff & Associates, LLC (2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (B) RESIDENCE: (CITY and STATE OR COUNTRY) WAG ACQUISITION, L.L.C. FLANDERS, NEW JERSEY Please check the appropriate assignee category or categories (will not be printed on the patent): 🗖 Individual 💆 Corporation or other private group entity 🗖 Government 4a. The following fee(s) are submitted: 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) 🖾 Issue Fee A check is enclosed. Payment by credit card. Form PTO-2038 is attached. Publication Fee (No small entity discount permitted) The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number 061448 (enclose an extra copy of this for Advance Order - # of Copies (enclose an extra copy of this form). 5. Change in Entity Status (from status indicated above) NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment. Applicant certifying micro entity status. See 37 CFR 1.29 NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status. Applicant asserting small entity status. See 37 CFR 1.27 NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro Applicant changing to regular undiscounted fee status. entity status, as applicable NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications June 30, 2017 /Ernest D. Buff/ Authorized Signature _ 00007110 15283544 Typed or printed name Ernest D. Buff

Page 2 of 3

489.88 DA

01 FC:2501

504431083 06/26/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4477783

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HAROLD EDWARD PRICE	06/26/2017

RECEIVING PARTY DATA

Name:	WAG ACQUISITION, L.L.C.	
Street Address:	3 GOLD MINE ROAD	
City:	FLANDERS	
State/Country:	NEW JERSEY	
Postal Code:	07836	

PROPERTY NUMBERS Total: 3

Property Type	Number
Application Number:	15283544
Application Number:	15283578
Application Number:	15283581

CORRESPONDENCE DATA

Fax Number: (908)901-0330

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: 908-901-0220
Email: ebuff@edbuff.com
Correspondent Name: ERNEST D. BUFF, ESQ.
Address Line 1: 231 SOMERVILLE ROAD

Address Line 4: BEDMINSTER, NEW JERSEY 07921

ATTORNEY DOCKET NUMBER:	0021-49CON4B-5B-6B
NAME OF SUBMITTER:	ERNEST D. BUFF
SIGNATURE:	/Ernest D. Buff/
DATE SIGNED:	06/26/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

source=0021-49-CON4B-5B-6B-Assignment#page1.tif source=0021-49-CON4B-5B-6B-Assignment#page2.tif source=0021-49-CON4B-5B-6B-Assignment#page3.tif

ASSIGNMENT

WHEREAS, Harold Edward Price of Bethel Park, County of Allegheny, State of Pennsylvania, U.S.A. an individual ("Assignor") is the sole and exclusive owner/inventor/applicant of United States patent applications for patent properties listed in Schedule A attached hereto and made a part hereof, and

WHEREAS, WAG ACQUISITION, L.L.C., a limited liability company of New Jersey, U.S.A. ("Assignee"), located and doing business at 3 Goldmine Road, Flanders, New Jersey 07836, is desirous of acquiring the right, title and interest in, to and under said pending United States patent applications:

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for and in consideration of the sum of One Dollar (\$1.00) to it in hand paid by said WAG ACQUISITION, L.L.C, and other good and valuable consideration, the receipt of which is hereby acknowledged, Harold Edward Price has sold, assigned, transferred and set over, and does hereby sell, assign, transfer and set over to said WAG ACQUISITION, L.L.C, the pending United States patent applications aforesaid, the same to be held and enjoyed by said WAG ACQUISITION, L.L.C, for its own use and enjoyment, and for the use and enjoyment of its successors, assigns or any other legal representatives, to the end of the term or terms for said pending United States patent applications, any continuations or divisionals thereof, and any patents, reissued patents or reexamined patents evolving therefrom, as fully and entirely as the same would have been held and enjoyed by said Harold Edward Price if this assignment and sale had not been made.

Harold Edward Price agrees to execute any further lawful papers necessary to secure WAG ACQUISITION, L.L.C, of its full and complete enjoyment of its use of the aforementioned pending patent applications.

Harold Edward Price represents that he has full right to convey the interest herein assigned and that he has not executed and will not execute any agreements in conflict herewith.

IN TESTIMONY WHEREOF, Harold Edward Price has caused these presents to be signed by setting hereunto his hand on the date herebelow.

By: _______ Hamld Edward Price

Title: Owner/Inventor/Applicant

<u>SCHEDULE A</u>

Patent Applications

Serial No.	Filed	Title	Docket No.
15/283,544	10/3/2016	STREAMING MEDIA DELIVERY SYSTEM	0021-49 CON 4B
15/283,578	10/3/2016	STREAMING MEDIA DELIVERY SYSTEM	0021-49 CON 5B
15/283,581	10/3/2016	STREAMING MEDIA DELIVERY SYSTEM	0021-49 CON68

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450

www.uspto.go

NOTICE OF ALLOWANCE AND FEE(S) DUE

25901 06/20/2017 ERNEST D. BUFF ERNEST D. BUFF AND ASSOCIATES, LLC. 231 SOMERVILLE ROAD BEDMINSTER, NJ 07921

EXAMINER				
MCLEOD, MARSHALL M				
ART UNIT	PAPER NUMBER			

DATE MAILED: 06/20/2017

2454

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/283.544	10/03/2016	Harold Edward Price	0021-49 CON4B	5655

TITLE OF INVENTION: STREAMING MEDIA DELIVERY SYSTEM

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$480	\$0	\$0	\$480	09/20/2017

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450

Alexandria, Virginia 22313-1450 or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

maintenance fee notifications. Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission. CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) Certificate of Mailing or Transmission 25901 7590 06/20/2017 I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below. ERNEST D. BUFF ERNEST D. BUFF AND ASSOCIATES, LLC. 231 SOMERVILLE ROAD (Depositor's name BEDMINSTER, NJ 07921 (Signature (Date APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 15/283.544 10/03/2016 Harold Edward Price 0021-49 CON4B 5655 TITLE OF INVENTION: STREAMING MEDIA DELIVERY SYSTEM PREV. PAID ISSUE FEE APPLN. TYPE ENTITY STATUS ISSUE FEE DUE PUBLICATION FEE DUE TOTAL FEE(S) DUE DATE DUE \$0 \$0 \$480 09/20/2017 **SMALL** \$480 nonprovisional **EXAMINER** ART UNIT CLASS-SUBCLASS MCLEOD, MARSHALL M 2454 709-219000 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 2. For printing on the patent front page, list (1) The names of up to 3 registered patent attorneys ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. or agents OR, alternatively, (2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) Please check the appropriate assignee category or categories (will not be printed on the patent): 🔲 Individual 📮 Corporation or other private group entity 🖵 Government 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) 4a. The following fee(s) are submitted: ☐ Issue Fee A check is enclosed. ☐ Publication Fee (No small entity discount permitted) Payment by credit card. Form PTO-2038 is attached. Advance Order - # of Copies _ The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number 5. Change in Entity Status (from status indicated above) NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment. Applicant certifying micro entity status. See 37 CFR 1.29 ☐ Applicant asserting small entity status. See 37 CFR 1.27 \underline{NOTE} : If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status. Applicant changing to regular undiscounted fee status. NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable. NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications. Authorized Signature _ Date

Page 2 of 3

IPR2022-01227

Typed or printed name _

Registration No. _



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS

P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

DATE MAILED: 06/20/2017

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/283,544	10/03/2016	Harold Edward Price	0021-49 CON4B	5655
25901 75	90 06/20/2017		EXAM	IINER
ERNEST D. BUI	=		MCLEOD, M.	ARSHALL M
ERNEST D. BUFF	' AND ASSOCIATES,	LLC.		
231 SOMERVILLI	E ROAD		ART UNIT	PAPER NUMBER
BEDMINSTER, N	J 07921		2454	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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The information provided by you in this form will be subject to the following routine uses:

- 1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
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- A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation. IPR2022-01227

Notice of Allowability Application No. 15/283,544 Examiner MARSHALL MCLEOD Applicant(s) PRICE, HAROLD EDWARD Art Unit Status No

The MAILING DATE of this communication appears on the All claims being allowable, PROSECUTION ON THE MERITS IS (OR REM herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other a NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. To the Office or upon petition by the applicant. See 37 CFR 1.313 and MPE	MAINS) CLOSED in this application. If not included appropriate communication will be mailed in due course. THIS his application is subject to withdrawal from issue at the initiative			
 This communication is responsive to <u>03/29/2017</u>. A declaration(s)/affidavit(s) under 37 CFR 1.130(b) was/were filed 	d on			
An election was made by the applicant in response to a restriction requirement set forth during the interview on; the restriction requirement and election have been incorporated into this action.				
 The allowed claim(s) is/are <u>1-12</u>. As a result of the allowed claim(s), y Highway program at a participating intellectual property office for the http://www.uspto.gov/patents/init_events/pph/index.jsp or send an index. 	corresponding application. For more information, please see			
4. Acknowledgment is made of a claim for foreign priority under 35 U.S.	C. § 119(a)-(d) or (f).			
Certified copies: a) All b) Some *c) None of the: 1. Certified copies of the priority documents have been received: 2. Certified copies of the priority documents have been received: 3. Copies of the certified copies of the priority documents have been received: International Bureau (PCT Rule 17.2(a)). * Certified copies not received:	eived in Application No			
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this connoted below. Failure to timely comply will result in ABANDONMENT of the THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.				
5. CORRECTED DRAWINGS (as "replacement sheets") must be subm	litted.			
including changes required by the attached Examiner's Amendr Paper No./Mail Date				
Identifying indicia such as the application number (see 37 CFR 1.84(c)) sho each sheet. Replacement sheet(s) should be labeled as such in the header				
 DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGIC attached Examiner's comment regarding REQUIREMENT FOR THE D 				
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 02/22/17, 4/6/2017, 04/11/2017, 04/11/2017 3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 4. ☐ Interview Summary (PTO-413),	 5. ☐ Examiner's Amendment/Comment 6. ☑ Examiner's Statement of Reasons for Allowance 7. ☐ Other 			
Paper No./Mail Date				
	/Joseph E Avellino/ Supervisory Patent Examiner, Art Unit 2454			

U.S. Patent and Trademark Office PTOL-37 (Rev. 08-13) 20170606

Notice of Allowability

Part of Paper No./Mail Date

Application/Control Number: 15/283,544 Page 2

Art Unit: 2454

DETAILED ACTION

Reasons for Allowance

1. The prior art solely and in combination does not disclose, with respect to claims

1, 5 and 9 that the one or more media data elements sent are selected without

depending on the server system maintaining a record of the last media data element

sent to the requesting user systems. Rather the prior art references cited by the

examiner in the non-final office action and the references found during search, disclose

that the client does not maintain a record/list of the last data element sent by the server.

Accordingly, **claims 1-12** are allowed.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MARSHALL MCLEOD whose telephone number is (571)270-3808. The examiner can normally be reached on Monday - Thursday 6:30 a.m-4:00 p.m..

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at http://www.uspto.gov/interviewpractice.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, JOSEPH AVELLINO can be reached on (571) 272-3905. The fax phone

Art Unit: 2454

number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/M. M./ Examiner, Art Unit 2454 6/7/2017

/Joseph E Avellino/ Supervisory Patent Examiner, Art Unit 2454 Receipt date: 04/11/2017

Doc code: IDS

PTO/SB/08a (03-15)

Approved for use through 07/31/2016. OMB 0651-0031

Doc description: Information Disclosure Statement (IDS) Filed

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		15283544	
	Filing Date		2016-10-03	
	First Named Inventor	Harc	Harold Edward Price	
	Art Unit		2454	
	Examiner Name	MCL	EOD, MARSHALL M	
	Attorney Docket Number		0021-49 CON4B	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.M.M/

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	Attorney Docket Number		0021-49 CON4B		_
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	1	IPR2015-01035 Decision Denying Institution, October 23, 2015.									
2 IPR2015-01036 Decision Instituting, October 23, 2015.											
	3	IPR2015-01037 Decision Denying Institution, October 19, 2015.									
If you wish to add additional non-patent literature document citation information please click the Add button											
		EXAMINER SIGNATURE									
Examiner	Signa	ature /MARSHALL M MCLEOD/	Date Considered	06/07/2017							
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Attorney Docket Number	er	0021-49 CON4B			

	CERTIFICATION STATEMENT								
Plea	ise see 37 CFR 1	.97 and 1.98 to make the appropriate selecti	on(s):						
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OR									
	That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).								
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\boxtimes	A certification sta	atement is not submitted herewith.							
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Sigr	nature	/Ernest D. Buff/	Date (YYYY-MM-DD)	2017-04-11					
Nan	ne/Print	Ernest D. Buff	Registration Number	25,833					
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(Not for Submission under or of it 1.00)	Examiner Name	Marsh	nall M. McLeod		
	Attorney Docket Numb	er	0021-49 CON4B		

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R	eceipt date: 04/06/2017				
	* ,	Application Number		15283544	
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	INFORMATION DISCLOSURE	First Named Inventor	Harol	d Edward Price	
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	(Not for Submission under or of it 1.33)	Examiner Name	Marsh	hall M. McLeod	

Attorney Docket Number

0021-49 CON4B

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.M.M/

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	2	DWIRE, Client/Server Computing, McGraw-Hill, Inc., 1993															
	3 IPR2016-01655 Decision Denying Institution, Feb. 27, 2017																
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Standard S ⁻ ⁴ Kind of do	See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language translation is attached.																

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Art Unit		2454			
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	SIGNATURE A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.								
Sigr	nature	/Ernest D. Buff/	Date (YYYY-MM-DD)	2017-04-06					
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- 9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Substit	tute for form 1449/PTO			Complete if Known			
				Application Number	15/283,544		
INF	FORMATION	1 DI	SCLOSURE	Filing Date	October 3, 2016		
ST	ATEMENT	3Y /	APPLICANT	First Named Inventor	Harold E. Price		
				Art Unit	2454		
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Sheet	1	of	9	Attorney Docket Number	0021-49-CON4B		

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nitials*	Cite No. ¹	the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²						
	1.	A. Periyannan; "Delivering Media Generically over RTP"; March 13, 1998							
	2.	"Macromedia delivers macromedia flash communication server MX"; July 9, 2002							
	3.	Ahmed Bashandy; "Jitter Control and Dynamic Resource Management for Multimedia Communication Over Broadband Network," ECE Technical Reports, Electrical and Computer Engineering; June 1, 1998							
	4.	Alan Jones; "Handling Audio and Video Streams in a Distributed Environment"; 1993							
	5.	Mark Allman et al.; TCP Congestion Control, Standards Track; RFC2581;; Apr. 1999							
	6.	Elan Amir et al.; An Application Level Video Gateway, ACM Multimedia 95 - Electronic Proceedings; Nov. 1995							
	7.	Amitabha Das; "A Model for Synchronisation and Communication of Distributed Multimedia Data Streams," IEEE Catalogue No. 95TH8061; 1995							
	8.	Andrew S. Tanenbaum; Computer Networks, Third Edition - Chapter 6; 1996							
	9.	Andy Hopper; "Pandora - an experimental system for multimedia applications"; January 1990							
	10.	Anup Rao; "Real Time Streaming Protocol," 1996; 1996							
	11.	ARRL Amateur Radio; "10th Computer Networking Conference"; September 1991							
	12.	ARRL Amateur Radio; "Computer Networking Conference 1- 4"; 1981-1985							
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Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):								
That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).								
That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).								
See attached certification statement.								
X The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.								
X A certification statement is not submitted herewith.								
SIGNATURE A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.								
/Ernest D. Buff/	Date (YYYY-MM- DD)	2016-11-20						
est D. Buff	Registration No.	25,833						
n n e a n e a	formation contained in the information disclosure state office in a counterpart foreign application not more statement. See 37 CFR 1.97(e)(1). In a counterpart foreign application, and, to the knowledge in the information disclosure state in a counterpart foreign application, and, to the knowledge in the inquiry, no item of information contained in the integrated in 37 CFR 1.56(c) more than three months profer 1.97(e)(2). In a counterpart foreign application, and, to the knowledge in the inquiry, no item of information contained in the integrated in 37 CFR 1.56(c) more than three months profer 1.97(e)(2). In a counterpart foreign application, and, to the knowledge in the inquiry, no item of information contained in the information disclosure states in a counterpart foreign application, and, to the knowledge in the inquiry, no item of information disclosure states in a counterpart foreign application, and, to the knowledge in a counterpart foreign application, and, to the knowledge in a counterpart foreign application and, to the knowledge in a counterpart foreign application, and, to the knowledge in a counterpart foreign application, and, to the knowledge in a counterpart foreign application, and, to the knowledge in a counterpart foreign application, and, to the knowledge in a counterpart foreign application, and, to the knowledge in a counterpart foreign application and, to the knowledge in a counterpart foreign application and, to the knowledge in a counterpart foreign application, and, to the knowledge in a counterpart foreign application, and, to the knowledge in a counterpart foreign application, and, to the knowledge in a counterpart foreign application, and, to the knowledge in a counterpart foreign application, and, to the knowledge in a counterpart foreign application, and, to the knowledge in a counterpart foreign application, and, to the knowledge in a counterpart foreign application, and, to the knowledge in a counterpart foreign application, and, to the knowledge in a counterpart foreign appli	and 1.98 to make the appropriate selection(s): formation contained in the information disclosure statement was at office in a counterpart foreign application not more than three estatement. See 37 CFR 1.97(e)(1). rmation contained in the information disclosure statement was at a counterpart foreign application, and, to the knowledge of the ble inquiry, no item of information contained in the information disclosure statement was at a counterpart foreign application, and, to the knowledge of the ble inquiry, no item of information contained in the information disclosure statement was a counterpart foreign application, and, to the knowledge of the ble inquiry, no item of information contained in the information disclosure statement was a counterpart foreign application, and, to the knowledge of the ble inquiry, no item of information contained in the information disclosure statement was a counterpart foreign application, and, to the knowledge of						

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR

1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	32	stream\$3 near media and playback and encode and rate and buffer and serial near (number identif\$5 tag) with (data element media audio video file) and client with (monitor\$3 control\$3 playlist list)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/06/07 09:20
L2	0	stream\$3 near media and playback and encode and rate and buffer and serial near (number identif\$5 tag) with (data element media audio video file) and client with (monitor\$3 control\$3 playlist list) with last near (media content)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/06/07 09:21
L3	6	"709".clas. and stream\$3 near media and playback and encode and rate and buffer and serial near (number identif\$5 tag) with (data element media audio video file) and client with (monitor\$3 control\$3 playlist list)		OR	ON	2017/06/07 09:21
L4	О	709/203.ccls. and stream\$3 near media and playback and encode and rate and buffer and serial near (number identif\$5 tag) with (data element media audio video file) and client with (monitor\$3 control\$3 playlist list)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/06/07 09:24
L6	0	709/204.ccls. and stream\$3 near media and playback and encode and rate and buffer and serial near (number identif\$5 tag) with (data element media audio video file) and client with (monitor\$3 control\$3 playlist list)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/06/07 09:24
L8	3	709/217.ccls. and stream\$3 near media and playback and encode and rate and buffer and serial near (number identif\$5 tag) with (data element media audio video file) and client with (monitor\$3 control\$3 playlist list)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/06/07 09:24
L10	0	709/219.ccls. and stream\$3 near media and playback and encode and rate and buffer and serial near (number identif\$5 tag) with (data element media audio video file) and client with (monitor\$3 control\$3 playlist list)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/06/07 09:24
L12	1	709/223.ccls. and stream\$3 near media	US-PGPUB;	OR	ON	2017/06/07

		and playback and encode and rate and buffer and serial near (number identif\$5 tag) with (data element media audio video file) and client with (monitor\$3 control\$3 playlist list)	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			09:25
L14	1	709/223.ccls. and stream\$3 near media and playback and encode and rate and buffer and serial near (number identif\$5 tag) with (data element media audio video file) and client with (monitor\$3 control\$3 playlist list)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/06/07 09:28
L15	5	1 AND ((H04N21/2407 OR H04N21/23805 OR H04L65/4076 OR H04L65/80).CPC.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/06/07 09:32
L18	21373	"1" AND ((H04N21/23406 OR H04N21/23805 OR H04L65/4076 OR H04L65/80).CPC.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/06/07 09:33
L19	38	stream\$3 near media and playback and encode and rate and buffer and serial near (number identif\$5 tag) with (data element media audio video file) and time adj sequence	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/06/07 09:34
L20	4	1 AND ((H04N21/2407 OR H04N21/23805 OR H04L49/90 OR H04L49/901 OR H04L49/9084 OR H04L65/80).CPC.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/06/07 09:35
S1	21	"709".clas. and stream\$3 near media and underflow and playback and encode and rate and buffer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 06:30
S2	2	("7237254").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/07/25 06:30
S3	12	playback with rate with slower with buffer with stream\$3 with media	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	2011/07/25 06:31

	1		IBM_TDB			
S4	13	playback and rate with slower with buffer with stream\$3 with media	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 06:31
S5	332	playback and rate and slower and buffer and stream\$3 near media and encode	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 06:32
S6	294	playback and rate and slower and buffer and stream\$3 near media and encode and bit	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 06:32
S7	481	playback and rate and slower and buffer and stream\$3 near media and encod\$3 and bit	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 06:32
S8	239	playback and rate and slower and buffer and stream\$3 near media and encod\$3 and bit and pointer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 06:32
S9	184	playback and rate and slower and buffer and stream\$3 near media and encod\$3 and bit and pointer and player	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 06:33
S10	182	playback and rate and slower and buffer and stream\$3 near media and encod\$3 and bit and pointer and player and audio and video	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 06:33
S11	182	playback and rate and slower and buffer and stream\$3 near media and encod\$3 and bit and pointer and player and audio and video and user	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 06:33
S12	107	playback and rate and slower and buffer and stream\$3 near media and encod\$3 and bit and pointer and player and audio and video and user and tcp	US-PGPUB; USPAT; USOCR; FPRS;	OR	ON	2011/07/25 06:33 IPR2

			EPO; JPO; DERWENT; IBM_TDB			
S13	106	playback and rate and slower and buffer and stream\$3 near media and encod\$3 and bit and pointer and player and audio and video and user and tcp and digital	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 06:33
S14	0	playback and rate and slower and buffer and stream\$3 near media and encod\$3 and bit and pointer and player and audio and video and user and tcp and digital and liver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 06:33
S15	98	playback and rate and slower and buffer and stream\$3 near media and encod\$3 and bit and pointer and player and audio and video and user and tcp and digital and live	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 06:33
S16	98	playback and rate and slower and buffer and stream\$3 near media and encod\$3 and bit and pointer and player and audio and video and user and tcp and digital and live and file	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 06:33
S17	2	("6766376").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/07/25 06:34
S18	2	("5928330").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/07/25 06:34
S19	0	streamS3 near media with buffer with download	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 06:35
S20	0	streamS3 near media with download with (data elements media) with [aster and playback	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 06:35
S21	0	streamS3 near media with download with (data elements media) with faster	US-PGPUB; USPAT;	OR	ON	2011/07/25 06:35 IPR2

		and playback	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S22	0	streamS3 near media with underflow and playback	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 06:36
S23	179	stream\$3 near media and underflow and playback and encode and rate and buffer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 06:37
S24	29	stream\$3 near media and underflow and playback and encode and rate and buffer and download		OR	ON	2011/07/25 06:37
S25	8	stream\$3 near media and underflow and playback and encode and rate and buffer and download and faster and slower		OR	ON	2011/07/25 06:38
S26	2	("6637031").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/07/25 06:38
S27	2	("6728753").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/07/25 06:38
S28	6	stream\$3 near media near player and playback with sequential near order	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 06:39
S29	44	stream\$3 near media near player and sequential near order	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 06:39

S30	42	stream\$3 near media near player and sequential near order and identif\$5	US-PGPUB; USPAT;	OR	ON	2011/07/25 06:40
			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S31	42	stream\$3 near media near player and sequential near order and identif\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 06:40
S32	1	stream\$3 near media near player and sequential near identif\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 06:40
S33	13	stream\$3 near media near player and assign near identif\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 06:40
S34	12	stream\$3 near media near player and assign near identif\$5 and client	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 06:41
S35	3	stream\$3 near media near player and assign near identif\$5 and client and playlist	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 06:41
S36	65	stream\$3 near media near player and assign and (identif\$5 label assign tag)and client and playlist and media	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM TDB	OR	ON	2011/07/25 06:42
S37	0	"200100047377"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 06:42
S38	2	"20010047377"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2011/07/25 06:42

	bases and a second		DERWENT; IBM_TDB			
S39	2	"20100235536"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 06:43
S40	O	stream\$3 near media near player and sequential near order and serial near identif\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 06:44
S41	O	stream\$3 near media near player and sequential near order and serial near identif\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 06:44
S42	5	stream\$3 near media near player and sequential near order and serial with identif\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 06:44
S45	2	709/230.ccls. and stream\$3 near media near player and sequential near order and identif\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 06:47
S46	8	709/231.ccls. and stream\$3 near media near player and sequential near order and identif\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 06:47
S47	1	"12800152".rlan. or ("12".src. and "800152".ap.)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2011/07/25 06:55
S49	10	"709".clas. and stream\$3 near media and playback and encode and rate and buffer and serial near (number identif\$5 tag) with (data element media audio video file)		OR	ON	2011/07/25 06:59
S50	О	709/230.ccls. and stream\$3 near media and playback and encode and rate and buffer and serial near (number identif\$5 tag) with (data element media audio video file)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;		ON	2011/07/25 06:59

	1		IBM_TDB			
S51	2	709/231.ccls. and stream\$3 near media and playback and encode and rate and buffer and serial near (number identif\$5 tag) with (data element media audio video file)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 06:59
S52	2	709/217.ccls. and stream\$3 near media and playback and encode and rate and buffer and serial near (number identif\$5 tag) with (data element media audio video file)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 07:29
S53	O	709/218.ccls. and stream\$3 near media and playback and encode and rate and buffer and serial near (number identif\$5 tag) with (data element media audio video file)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 07:29
S54	0	709/219.ccls. and stream\$3 near media and playback and encode and rate and buffer and serial near (number identif\$5 tag) with (data element media audio video file)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 07:29
S68	29	("6292834" "6588015" "6594699" "6598228" "6665751" "6708213" "6829368" "6889257" "6907481" "7054500" "7111058" "7170856" "7346698" "7373413").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/30 21:49
S69	14	playback and rate with slower with buffer with stream\$3 near media and size	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/30 22:04
S70	13	playback and rate with slower with buffer with stream\$3 near media and size and speed	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/30 22:04
S71	22	playback and rate and slow\$3 with buffer with stream\$3 near media and size and speed and fast\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/30 22:05
S72	16	playback and bit near rate and slow\$3 with buffer with stream\$3 near media and size and speed and fast\$3	US-PGPUB; USPAT; USOCR; FPRS;	OR	ON	2011/11/30 22:05

			EPO; JPO; DERWENT; IBM_TDB			
S73	16	playback and bit near rate and slow\$3 with buffer with stream\$3 near media and size and speed and fast\$3 and video	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/30 22:05
S74	16	playback and bit near rate and slow\$3 with buffer with stream\$3 near media and size and speed and fast\$3 and video and variab\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/30 22:06
S75	14	playback and bit near rate and slow\$3 with buffer with stream\$3 near media and size and speed and fast\$3 and video and variab\$5 and smooth\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/30 22:06
S77	O	709/217.ccls. and playback and bit near rate and slow\$3 with buffer with stream\$3 near media and size and speed and fast\$3 and video and variab\$5 and smooth\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/30 22:07
S78	0	709/217.ccls. and playback and rate and slow\$3 with buffer with stream\$3 near media and size and speed and fast\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/30 22:08
S79	1	709/217.ccls. and playback and rate with slower with buffer with stream\$3 near media and size	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/30 22:08
S80	0	709/218.ccls. and playback and rate with slower with buffer with stream\$3 near media and size	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/30 22:08
S81	0	709/219.ccls. and playback and rate with slower with buffer with stream\$3 near media and size	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/30 22:08
S82	0	709/218.ccls. and playback and bit near rate and slow\$3 with buffer with	US-PGPUB; USPAT;	OR	ON	2011/11/30 22:08 IPR20

		stream\$3 near media and size and speed and fast\$3 and video and variab\$5 and smooth\$3	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S83	0	709/219.ccls. and playback and bit near rate and slow\$3 with buffer with stream\$3 near media and size and speed and fast\$3 and video and variab\$5 and smooth\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/30 22:09
S84	0	709/230.ccls. and playback and rate with slower with buffer with stream\$3 near media and size	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/30 22:11
S85	3	709/231.ccls. and playback and rate with slower with buffer with stream\$3 near media and size	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/30 22:11
S86	0	709/230.ccls. and playback and bit near rate and slow\$3 with buffer with stream\$3 near media and size and speed and fast\$3 and video and variab\$5 and smooth\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/30 22:12
S87	4	709/231.ccls. and playback and bit near rate and slow\$3 with buffer with stream\$3 near media and size and speed and fast\$3 and video and variab\$5 and smooth\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/30 22:12
S88	7	709/219.ccls. and playback and bit near rate and buffer with stream\$3 near media and size and speed and video and variab\$5 and smooth\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/30 22:13
S89	2	709/217.ccls. and playback and bit near rate and buffer with stream\$3 near media and size and speed and video and variab\$5 and smooth\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/30 22:13
S90	O	709/218.ccls. and playback and bit near rate and buffer with stream\$3 near media and size and speed and video and variab\$5 and smooth\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/30 22:13

0405	EO	("A00000E" "E0E7000" "E104000"	LIC POPUE		ON	10010/00/10
S105	ರಿತ		US-PGPUB;	UH	ON	2012/02/13
			USPAT;			06:39
		33	USOCR;			
		:)	FPRS;			
			EPO; JPO;			
			DERWENT;			
			IBM_TDB			
		"6405256" "6449719" "6831892" "6955995" "7979999"				
		"6850965" "7272298"				
<u> </u>		"7334044").PN.				
S107	317		US-PGPUB;	OR	ON	2012/08/09
		"6637031" "6831892" "7272298"	USPAT;			06:56
		20020007418" "20020069218"	USOCR;			
			FPRS;			
		20050108320" "20050262251"	EPO; JPO;			
			DERWENT;			
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S108	1	"13385375".rlan. or ("13".src. and "385375".ap.)	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2012/08/09 06:57
S109	2	("5892915").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/08/27 07:10
S110	1	server near buffer and sequential and media and playback near rate and (fill\$3 load\$3) near buffer and (view\$3 listen\$3 watch\$3 play\$3) and stream\$3 and detect\$4 with interrupti\$3 and encod\$3 and reload\$3 and delay\$3 and pointer and variable near bit adj rate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/08/27 07:22
S111	2	("5606359").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/08/27 07:24
S112	2	("5877812").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB		OFF	2012/08/27 07:33
S113	2	("6801964").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/08/29 11:01
S114	275	((HAROLD) near2 (PRICE)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/05 11:49
S115	52	((HAROLD) near2 (PRICE)).INV. and stream\$3 and media	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/05 11:51
S116	31	((HAROLD) near2 (PRICE)).INV. and stream\$3 and media and buffer	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/05 11:56
S117	3	("6385673").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	OFF	2015/07/09 13:24

	university of the second		DERWENT; IBM_TDB			
S118	3	("20020052967").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/07/09 13:25
S119	3	("20070005795").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/07/09 13:25
S120	56	stream\$3 adj (media data) and buffer and playlist and playback adj rate and speed and (realtime live)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/07/10 22:36
S121	0	"709." "clas." and stream\$3 adj (media data) and buffer and playlist and playback adj rate and speed and (realtime live)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/07/10 22:36
S122	34	"709".clas. and stream\$3 adj (media data) and buffer and playlist and playback adj rate and speed and (realtime live)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/07/10 22:36
S123	34	S122 AND ((H04N21/8456 OR H04N21/6587 OR H04N5/783 OR H04N21/23439 OR H04N21/2387 OR H04N21/44004 OR H04N21/43615 OR H04N21/44016 OR H04N21/4825 OR H04N21/8543 OR H04N21/23103 OR H04N21/2343 OR H04N21/23405 OR H04N21/2343 OR H04N21/2405 OR H04N21/26258 OR H04N21/2747 OR H04N21/4392 OR H04N21/4394 OR H04N21/4392 OR H04N21/4394 OR H04N21/4392 OR H04N21/6125 OR H04N21/6373 OR H04N21/6437 OR H04N21/84 OR H04N21/845 OR H04N21/23116 OR H04N21/2312 OR H04N21/23116 OR H04N21/2323 OR H04N21/2323 OR H04N21/2323 OR H04N21/2324 OR H04N21/234363 OR H04N21/234347 OR H04N21/234347 OR H04N21/23437 OR H04N21/23430 OR H04N21/23437 OR H04N21/2404 OR H04N21/25891 OR H04N21/2404 OR H04N21/25891 OR H04N21/2404 OR H04N21/24405 OR H04N21/44333 OR H04N21/4405 OR H04N21/44209 OR	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/07/10 22:36

		H04N21/44222 OR H04N21/4431 OR H04N21/47217 OR H04N21/4755 OR H04N21/4788 OR H04N21/4856 OR H04N21/64322 OR H04N21/8106 OR H04N5/765 OR H04N9/8205 OR H04N9/8211 OR H04L65/60 OR H04L65/4084 OR H04L65/602 OR H04L65/80 OR H04L65/80 OR H04L65/80 OR H04L65/1083 OR H04L65/4015 OR H04L65/4076 OR H04L65/4092 OR H04L65/4076 OR H04L65/4076 OR H04L47/29 OR H04L47/2416 OR H04L47/29 OR H04L47/2416 OR H04L47/29 OR H04L47/805 OR H04L65/1069 OR H04L65/1063 OR H04L65/1069 OR H04L65/403 OR H04L67/1002 OR H04L65/1068 OR H04L65/1068 OR G06F15/16 OR G06F11/2023 OR G06F11/2035 OR G06F11/2023 OR G06F17/30038 OR G06F17/30053 OR G06F17/30194 OR G06F3/061 OR G06F3/0638 OR G06F3/0683 OR G06F3				
S124	3	("20020052967").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/15 21:09
S125	3	("20040049793").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/15 21:16
S126	5	"709".clas. and playback with rate with slower with buffer with stream\$3 with media	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/02/17 11:09
S127	5	S126 AND ((H04H60/80 OR H04L29/06027 OR H04L47/12 OR H04L65/4069 OR H04L65/4076 OR H04L65/4092 OR H04L65/602 OR H04L65/607 OR H04N19/102 OR H04N19/107 OR H04N19/115 OR H04N19/117 OR H04N19/132 OR H04N19/137 OR H04N19/14 OR H04N19/152 OR H04N19/162 OR H04N19/164 OR H04N19/172 OR H04N19/182 OR H04N19/188 OR H04N19/40 OR H04N19/61 OR H04N19/80 OR H04N19/85 OR H04N21/23406 OR H04N21/25891 OR H04N21/4325 OR H04N21/4331 OR H04N21/43615 OR H04N21/4383 OR	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/02/17 11:09

		H04N21/4384 OR H04N21/4398 OR H04N21/44004 OR H04N21/4402 OR H04N21/440263 OR H04N21/47202 OR H04N21/47217 OR H04N21/632 OR H04N21/6587).CPC.)				
S128	3	("6385673").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/11/16 09:43
S129	2	("20130289926").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/11/16 10:37
S130	5	("5404446" "5414455" "625656" "7237254" "8191097" "5404446" "5414455" "6625656" "7237254" "8191097").PN.	US-PGPUB; USP A T	OR	OFF	2016/11/21 17:30
S131	259	("20010047377" "20020007418" "20020013948" "20020021761" "20020023165" "20020025045" "20020029166" "20020069218" "20020078174" "20020083182" "20020120675" "20020131443" "20020147634" "20020177914" "20030014488" "20030018978" "20030061305" "20030068046" "20030093790" "20030068046" "20040078812" "20040086120" "20040078812" "20040131340" "20040162910" "20040186733" "200400231004" "20040260835" "20050005025" "20050080876" "20050108320" "20050203917" "20050188007" "20050188007" "20060143667" "20060153537" "20060174134" "20060153537" "20060174134" "20060153537" "20070038728" "20070079327" "20070038728" "20070079327" "20070038728" "20070079327" "2008015353" "4606044" "4630196" "4729020" "4833535" "4839891" "4963995" "5025457" "5029164" "5057932" "5065396" "5126845" "5136655" "5136655" "514839" "5185795" "5202961" "5202961" "5208810" "5237156" "5428774" "5434678" "5434860" "5440334" "5446734" "5457687" "5440334" "5446734" "5457687" "5440334" "5481543" "5497404" "55515511" "5541852" "5526353" "5533021" "5541852"	US-PGPUB; USPAT	OR	OFF	2016/11/21 17:31

S132 118	"5561637" "! "5574934" "! "5574934" "! "5583563" "! "5610841" "! "5621660" "! "5633859" "! "5661665" "! "5664116" "! "5719786" "! "5778374" "! "5778374" "! "5815662" "! "5822537" "! "5844682" "! "5867230" "! "5882915" "! "5887667" "! "5933603" "! "5923655" "! "5923655" "! "5933603" "! "6014693" "! "6047317" "! "6067303" "! "6047317" "! "6067303" "! "6047317" "! "6067303" "! "60321269" "! "6321269" "! "6321269" "! "6377931" "! "6397259" "! "6397259" "! "6397259" "! "6397259" "! "6397259" "! "6389473" "! "6738380" "! "677796" "! "6738380" "! "677886866" "! "67886868" "! "678868686" "! "67886868" "! "67886868" "! "678868680" "! "678868680" "! "678868680" "! "678868680" "! "678868680" "! "678868680" "! "678868680" "! "678868680" "! "678868680" "!	********************	"5550982" "5566175" "5583561" "5619995" "5627936" "5627936" "5658948" "5664044" "5710970" "5734119" "5751968" "5809239" "5805823" "5821986" "5835495" "5841979" "5857652" "5841979" "592048" "5922048" "5922048" "5928330" "5938734" "5995091" "5995091" "5995091" "5995091" "6032189" "6037983" "6037983" "6037983" "6057832" "604706" 6032189" "6037983" "6057832" "60487663" "6292834" "6397251" "6498630" "6487663" "6594699" "6594699" "6577273" "6778499"		OR	OFF	2016/11/21
S132 1118	"683892" "68 "6850965" "6 "6879634" "6 "6907451" "6 "6976306" "6	"6763178" 6" "68069 845398" ' 6859557" 6888848" 6925495" 6.985932" 6992983"	09" "6"	US-PGPUB; USPAT	UH	UFF	17:31

S133	4	"7035287" "7016970" "7020710" "7035287" "7039784" "7046672" "7054500" "7058721" "7058728" "7061936" "7085842" "7111058" "7111162" "7111316" "7113983" "7127735" "7136377" "7143.177" "8" "24375495" "7158518" "7161939" "7167560" "717086" "7209437" "7212574" "7224703" "7237254" "7239703" "7249264" "7260564" "7266118" "7272298" "7272658" "7287083" "7298849" "7" "7310" "7318017" "730" "7349663" "7349663" "7373413" "7376710" "7398312" "7406176" "7424.730" "7434052" "7448062" "7471834" "7584291" "7587509" "7590237" "7584291" "758709" "7590237" "7584291" "7587509" "7590237" "7584291" "7587509" "7590856" "7594110" "7647297" "7.681227" "7639510" "7769168" "7818444" "7836124" "7839998" "7818444" "7836124" "7839998" "7917557" "7975060" "7775" "20020023165" "20020025045" "20020023165" "20020025045" "20020023165" "20020025045" "2002002166" "20020069218" "" ";200200313448" "200200120675" "20040133448" "200200120675" "20040131340" "-" "20040166733" "20040131340" "-" "20040166733" "2004003104" "20040060835" "2005002099" "20050025047" "2005002099" "20050025047" "2005002099" "20050025047" "2005002099" "20050025047" "2005002099" "2005002099" "2005002099" "2005002099" "2005002099" "2005002099" "2005002099" "2005002099" "2005002099" "2005002588007" "" "200600153537" "200600154367" "200600153537" "20060015428" "200600153537" "200600174134" "200600153537" "200600174134" "200600153537" "200600174134" "200600153537" "200600174134" "200600153537" "200600174134" "20060015865").PN.	IS-PGPI IR	OR	OFF	2016/12/26:
S133	4	("7209437").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/12/26 18:19
S134	2	("7237254").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/12/26 18:20
S135	2	("6981050").PN.	US-PGPUB; USPAT; USOCR;	OR	OFF	2016/12/26 18:20 IPR20

("5414455").PN.	IBM_TDB US-PGPUB;		<u></u>	.3L
	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	UK	OFF	2016/12/26 18:20
("5822524").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/12/26 18:21
stream\$3 near media near player and sequential near order and serial with identif\$5 and (live real-time)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/12/26 18:22
S138 AND ((G07F17/32 OR G07F17/3211 OR G07F17/3244 OR G07F17/3248 OR G07F17/3262).CPC.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/12/26 18:23
stream\$3 near media and playback and encode and rate and buffer and serial near (number identif\$5 tag) with (data element media audio video file)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;		ON	2016/12/26 18:23
S140 AND ((H04L12/2809 OR H04L12/281 OR H04L12/2816 OR H04L12/282 OR H04L2012/2841 OR H04L2012/2841 OR H04L2012/2849 OR H04L65/1069 OR H04L67/1068 OR H04L2209/56 OR H04L2209/60 OR H04L9/3236 OR H04L9/3249 OR H04L67/306 OR H04L2209/606 OR H04L9/302 OR H04L9/3271 OR H04L2209/601 OR H04L2209/603 OR H04L2209/605 OR H04L2209/80 OR H04L2463/101 OR H04L2209/80 OR H04L2463/101 OR H04L2463/103 OR H04L2463/101 OR H04L2463/103 OR H04L63/0828 OR H04L63/06 OR H04L65/605 OR H04L65/60 OR H04L65/605 OR H04L65/60 OR H04L67/16 OR H04L67/20 OR H04L9/00 OR H04L9/3234 OR H04L12/14 OR H04L12/2602 OR H04L12/166 OR H04L29/06 OR H04L29/06 OR H04L29/06 OR	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/12/26
	stream\$3 near media near player and sequential near order and serial with identif\$5 and (live real-time) S138 AND ((G07F17/32 OR G07F17/3211 OR G07F17/3244 OR G07F17/3248 OR G07F17/3262).CPC.) stream\$3 near media and playback and encode and rate and buffer and serial near (number identif\$5 tag) with (data element media audio video file) S140 AND ((H04L12/2809 OR H04L12/2816 OR H04L12/281 OR H04L212/2841 OR H04L2012/2841 OR H04L2012/2849 OR H04L65/1069 OR H04L67/1068 OR H04L209/56 OR H04L209/60 OR H04L9/3236 OR H04L209/60 OR H04L9/3236 OR H04L209/606 OR H04L9/302 OR H04L9/3249 OR H04L63/10 OR H04L9/3271 OR H04L2209/601 OR H04L9/3271 OR H04L2209/601 OR H04L2209/603 OR H04L2209/605 OR H04L2209/603 OR H04L2463/101 OR H04L2209/60 OR H04L2463/103 OR H04L2463/101 OR H04L63/06 OR H04L63/065 OR H04L63/06 OR H04L65/605 OR H04L65/605 OR H04L65/605 OR H04L65/608 OR H04L65/16 OR H04L67/16 OR H04L67/20 OR H04L9/00 OR H04L9/3234 OR H04L9/300 OR	IBM_TDB	IBM_TDB US-PGPUB; OR US-PAT; USOCR; PRS; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; OR US-PAT; USOCR; PRS; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; OR US-PAT; USOCR; PRS; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; OR US-PAT; USOCR; PRS; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; OR US-PAT; USOCR; PRS; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; OR US-PAT; USOCR; PRS; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; OR US-PAT; USOCR; PRS; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; OR US-PAT; USOCR; PRS; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; OR US-PAT; USOCR; PRS; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; OR US-PAT; USOCR; PRS; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; OR US-PAT; USOCR; PRS; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; OR US-PAT; USOCR; PRS; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; OR US-PAT; USOCR; PRS; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; OR US-PAT; USOCR; PRS; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; OR US-PAT; USOCR; PRS; EPO; JPO; DERWENT; ISM_TDB US-PGPUB; OR US-PAT; USOCR; PRS; EPO; JPO; DERWENT; ISM_TDB US-PGPUB; OR US-PAT; USOCR; PRS; EPO; JPO; DERWENT; ISM_TDB US-PGPUB; OR US-PAT; USOCR; PRS; EPO; JPO; DERWENT; ISM_TDB US-PGPUB; OR US-PAT; U	IBM_TDB US_PGPUB; OR US_PGFUB; USOOR; PRS; EPC; JPC; DEWENT; IBM_TDB US_PGFUB; USOOR; PRS; EPC; JPC; DEWENT; IBM_TDB US_PGFUB; U

S142	33	H04L47/30 OR H04L47/74 OR H04L47/748 OR H04L47/823 OR H04L63/08 OR H04L65/4084 OR H04L65/4092 OR H04L65/604 OR H04L65/80 OR H04L67/02 OR H04L67/10 OR H04L67/141 OR H04L67/142 OR H04L67/26 OR H04L67/303 OR H04L67/34 OR H04L67/38 OR H04L69/329 OR H04L7/0008).CPC.) "709".clas. and stream\$3 near media near player and sequential near order and identif\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM TDB	OR	ON ON	2016/12/26 18:24
S143	27	S142 AND ((H04L67/104 OR H04L65/4084 OR H04L67/06 OR H04L67/10 OR H04L67/1078 OR H04L67/10 OR H04L67/1078 OR H04L65/60 OR H04L67/1063 OR H04L67/322 OR H04L67/327 OR H04L67/34 OR H04L67/32 OR H04L67/34 OR H04L67/2697 OR H04L67/20 OR H04L67/12 OR H04L67/325 OR H04L69/329 OR H04L29/06285 OR H04L29/06489 OR H04L29/06523 OR H04L29/06489 OR H04L63/062 OR H04L63/0823 OR H04L63/082 OR H04L63/0823 OR H04L63/103 OR H04L65/104 OR H04L65/103 OR H04L65/104 OR H04L67/1002 OR H04L67/1008 OR H04L67/1002 OR H04L67/1085 OR H04L67/1072 OR H04L67/1085 OR H04L67/125 OR H04L67/18 OR H04L67/2804 OR H04L67/2814 OR H04L67/32 OR H04L67/2814 OR H04L67/32 OR H04L69/08 OR H04L9/083 OR H04L69/08 OR H04L9/083 OR G06F17/30053 OR G06F17/30053 OR G06F17/30058 OR G06F17/30058 OR G06F17/30058 OR G06F17/30058 OR G06F17/30059 OR G06F221/2107 OR G06F221/2103 OR G06F2221/2115 OR G06F2221/2111 OR G06F2221/2111 OR G06F2221/2111 OR G06F2221/2111 OR G06F2221/2141 OR G06F2221/2145 OR G06F2221/2141 OR G06F2221/2145 OR G06F2221/2141 OR G06F2221/2145 OR G06F2221/2141 OR G06F2221/2145 OR G06F9/541).CPC.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/12/26
S144	6	"709".clas. and playback and bit near rate and slow\$3 with buffer with stream\$3 near media and size and speed and fast\$3 and video and variab\$5 and smooth\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM TDB	OR	ON	2016/12/26 18:24
S145	5	S144 AND ((H04L29/06027 OR	US-PGPUB;	OR	ON	2016/12/26 IPR20

		H04L47/12 OR H04L65/4069 OR H04L65/4076 OR H04L65/4092 OR H04L65/602 OR H04L65/607).CPC.)	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			18:24
S146	17	stream\$3 near media near player and sequential near order and specif\$4 near identif\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/12/26 18:25
S147	13	S146 AND ((H04L65/4084 OR H04L67/06 OR H04L67/42 OR H04L65/403 OR H04L67/04 OR H04L67/12 OR H04L67/322 OR H04L65/60 OR H04L67/10 OR H04L67/02 OR H04L67/125 OR H04L67/2842 OR H04L67/306).CPC.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/12/26 18:25
S148	2	("20170026434").PN.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2017/05/01 12:48
S149	1642	stream\$3 near media and stateless	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/06/01 10:22
S150	650	stream\$3 near media and stateless with server	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/06/01 10:22
S151	482	stream\$3 adj media and stateless with server	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/06/01 10:22
S152	377	stream\$3 adj media same client with (maintain track\$3 monitor\$3) with (data media) with (receiv\$3 sent transmi\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/06/01 10:27
S153	109	"709".clas. and stream\$3 adj media same client with (maintain track\$3 monitor\$3) with (data media) with (receiv\$3 sent transmi\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/06/01 10:27
S154	2	("20100181717").PN.	US-PGPUB; USPAT;	OR	OFF	2017/06/02 06:52 IPR2

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S155	0	("201000181717").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/06/02 06:53
S156	2	("20100151717").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/06/02 06:53
S157	0	("201000151717").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/06/02 06:53
S158	2	("20100161717").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/06/02 06:54
S159	2	("20020161860").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/06/02 06:54
S160	1	("7187947").PN.	US-PGPUB; USPAT	OR	OFF	2017/06/07 08:37
S161	21	("5404446" "5414455" "8191097" "6385673" "5822524" "6336143" "6625656" "5874986" "5721815" "5761417" "5918002" "6032180" "6040866" "6249810" "6347094" "6763392" "6981050" "7065342" "20040049793" "20020052967" "20070005795").PN.	US-PGPUB; USPAT	OR	OFF	2017/06/07 08:39
S163	4	stream\$3 near media and playback and encode and rate and buffer and serial near (number identif\$5 tag) with (data element media audio video file) and time adj sequence and client adj side	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/06/07 09:14

6/7/2017 9:36:26 AM C:\ Users\ mmcleod\ Documents\ EAST\ Workspaces\ Application_15283544.wsp

Docket No.: 0021-49 CON4B

(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Harold Edward Price

Application No.: 15/283,544 Confirmation No.: 5655

Filed: October 3, 2016 Art Unit: 2454

For: STREAMING MEDIA DELIVERY SYSTEM

INFORMATION DISCLOSURE STATEMENT (IDS)

MS Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. § 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

In accordance with 37 C.F.R. § 1.98(a)(2)(ii), Applicant has not submitted copies of U.S. patents and U.S. patent applications. Applicant submits herewith copies of foreign patents and non-patent literature in accordance with 37 C.F.R. § 1.98(a)(2).

The following documents cited in the attached form PTO/SB/08 are not supplied because they were previously cited by or submitted to the Office at least in prior application number 13/815,040 filed January 25, 2013.

B4649580.1

Application No.: 15/283,544 2 Docket No.: 0021-49 CON4B

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.M.M/

Non-Patent Literature Documents

Alexander Engman et al., "High Performance Video Streaming on Low End Systems," (Dec. 1, 1997), M. Sc. Thesis in Electrical D Engineering performed at Telia Research AB, Nattjanster Division, Stockholm.

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Jun Su, "Continuous Media Support for Multimedia Databases," (1999) Master of Science thesis from Queen's University, D Kingston, Ontario, Canada.

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International Standard ISO/IEC 11172-2, "Information Technology-Coding of moving pictures and associated audio for storage media at up to about 1,5 Mbit/s-Part 2: Video," (Aug. 1, 1993).

International Standard ISO/IEC 11172-3, "Information Technology-Coding of moving pictures and associated audio for digital storage media at up to about 1,5 Mbit/s-Part 3: Audio," (Aug. 1, 1993).

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.M.M/

Bing Zheng and Mohammed Atiquzzaman, "Video on Demand over ATM: System Design and Networking Requirements," (June 1998) ENCOM-98: Enterprise Networking and Computing '98 in conjunction with ICC/SUPERCOMM '98, pp. 114-121 (see http://www.cs.ou.edu/—atiq/publications.html)

"The VXtreme Web TheaterTM system, including the Web Theater Server, Web Theater Client, Web Theater Producer, and VXtreme Video Codec V2," 1997.

/MARSHALL M MCLEOD/

06/07/2017

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. § 1.56(a) exists. In accordance with 37 C.F.R. § 1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 C.F.R. § 1.98 and the Examiner is respectfully requested to consider the listed references.

Dated: February 21, 2017

Respectfully submitted,

Ernest D. Buff

Registration No.: 25,833

Ernest D. Buff & Associates, LLC. 231 Somerville Road Bedminster, NJ 07921 (908) 901-0220 PTO/SB/08a (03-15)

Doc code: IDS Approved for use through 07/31/2016. OMB 0651-0031 Doc description: Information Disclosure Statement (IDS) Filed U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

	Application Number		15283544
INTERPRETATION PLACE COLUMN	Filing Date		2016-10-03
INFORMATION DISCLOSURE	First Named Inventor	Harold Edward Price	
(Not for submission under 37 CFR 1.99)	Art Unit		2454
(Not for submission under or of K 1.33)	Examiner Name	MCLE	EOD, MARSHALL M
	Attorney Docket Numb	er	0021-49 CON4B

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.M.M/

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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	5404446	А	1995-04-04	Bowater et al.	
	2	5414455	A	1995-05-09	Hooper et al.	
	3	8191097	B1	2012-05-29	Armstrong et al.	
	4	6385673	B1	2002-05-01	Michael A. DeMoney	
	5	5822524	A	1998-10-13	Chen et al.	
	6	6336143	B1	2002-01-01	Diedrich et al.	
	7	6625656	B2	2003-09-23	Goldhor et al.	
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(Not for submission under 37 CFR 1.99)

Application Number		15283544	
Filing Date		2016-10-03	
First Named Inventor	Harol	d Edward Price	
Art Unit		2454	
Examiner Name MCLE		EOD, MARSHALL M	
Attorney Docket Number		0021-49 CON4B	

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ALL	REFERENC	ES CONSIDERED E	KCEPT	WHERE LINE	THROUGH. /M.M.M/	
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	10	5761417	А	1998-06-02	Henley	
	11	5918002	А	1999-06-29	Klemets	
	12	6032180	А	2000-02-29	Nishikawa	
	13	6040866	A	2000-03-21	Chen	
	14	6249810	B1	2001-06-19	Kiraly	
	15	6347094	B1	2002-02-12	Gopalakrishnan	
	16	6763392	B1	2004-07-13	del Val	
	17	6981050	B1	2005-12-27	Tobias	
	18	7065342	B1	2006-06-20	Rolf	
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U.S.PATENT APPLICATION PUBLICATIONS

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	Art Unit		2016-10-03		
			d Edward Price		
			2454		
			EOD, MARSHALL M		
			0021-49 CON4B		

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.M.M/

I CITE NO I		Publication Number	Kind Code ¹			Name of Patentee or Applicant of cited Document		Pages,Columns,Lines where Relevant Passages or Relev Figures Appear			
	2		20040049793	A1	2004-03	3-11	Philip A. Chou	ı			
			20020052967	A1	2002-05	5-02	Goldhor et al.				
	3		20070005795	A1	2007-01	I-04	Ruben Gonza	lez			
If you wisl	n to ad	ld ac	dditional U.S. Publi	•	•			please click the Add	d butte	on.	
					FOREI	GN PAT	ENT DOCUM	MENTS			
Examiner Initial*	Cite No		reign Document mber³	Country Code ² i		Kind Code4	Publication Date	Name of Patented Applicant of cited Document		Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T5
	1	820	204	EP		A2	1998-01-21	Jaisingh/AT& T Cor	p.		
	2	199	8044733	wo		A1	1998-10-08	OGDON, Robert H.			
If you wisl	n to ad	ld ac	dditional Foreign P	atent Do	cument	citation	information p	lease click the Add	butto	n	
				NON	I-PATE	NT LITE	RATURE DO	CUMENTS			
Examiner Initials*	Cite No	(bo		nal, seria	al, symp	osium,	catalog, etc),	the article (when a date, pages(s), volu		riate), title of the item ssue number(s),	T5
	1							Low End Systems," (ster Division, Stockho		1, 1997), M. Sc. Thesis in	

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First Named Inventor	Harol	d Edward Price
Art Unit		2454
Examiner Name	MCLE	EOD, MARSHALL M
Attorney Docket Numb	er	0021-49 CON4B

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2	Silvia Hollfelder et al., "Transparent Integration of Continuous Media Support into a Multimedia DBMS," (Dec. 1, 1997) D Arbeitspapiere der GMD, German National Research Center for Information Technology, No. 1104.	
3	Jun Su, "Continuous Media Support for Multimedia Databases," (1999) Master of Science thesis from Queen's University, D Kingston, Ontario, Canada.	
4	International Standard ISO/IEC 11172-1, "Information Technology-Coding of moving pictures and associated audio for digital storage media at up to about 1,5 Mbit/s-Part 1: Systems," (Aug. 1, 1993).	
5	International Standard ISO/IEC 11172-2, "Information Technology-Coding of moving pictures and associated audio for storage media at up to about 1,5 Mbit/s-Part 2: Video," (Aug. 1, 1993).	
6	International Standard ISO/IEC 11172-3, "Information Technology-Coding of moving pictures and associated audio for digital storage media at up to about 1,5 Mbit/s-Part 3: Audio," (Aug. 1, 1993).	
7	F.Kozamernik, "Webcasting-the broadcasters' perspective," (Mar. 1, 2000) EBU TECHNICAL REVIEW: No. 282.	
 0	Natnaniel Polisn, The Burstware Family of Protocols.	
9	Susanne Boll et al., "Intelligent Prefetching and Buffering for Interactive Streaming of MPEG Videos," (Apr. 1, 2000) Ulmer Informatikberichte Nr. 2000-05, Germany.	
10	Bing Zheng and Mohammed Atiquzzaman, "Video on Demand over ATM: System Design and Networking Requirements," (June 1998) ENCOM-98: Enterprise Networking and Computing '98 in conjunction with ICC/SUPERCOMM '98, pp. 114-121 (see http://www.cs.ou.edu/—atiq/publications.html)	
11	Bing Zheng and Mohammed Atiquzzaman, "Multimedia Over ATM: Progress, Status and Future, 7th Int'l Conference on Computer Communications and Networks," (October 12-15, 1998) (see http://ieeexplore.ieee.org/xpl/tocresult.jsp?isnumber=15975&isYear=1998).	
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First Named Inventor	Harol	d Edward Price
Art Unit		2454
Examiner Name	MCLE	EOD, MARSHALL M
Attorney Docket Numb	er	0021-49 CON4B

ALL KEE	EKEN	CES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.M.M/	
	13	Microsoft Windows Media Player version 6.4, April 29, 1999.	
	14	Microsoft Windows Media Player version 7.0, July 17, 2000.	
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	16	"The VXtreme Web TheaterTM system, including the Web Theater Server, Web Theater Client, Web Theater Producer, and VXtreme Video Codec V2," 1997.	
	17	IPR2015-01033 Decision Denying Institution, 10/19/2015.	
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	19	IPR2015-01036 Final Written Decision, 10/20/2016.	
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	22	IPR2016-01162 Decision Denying Institution, 12/12/2016.	
	23	IPR2016-01238 Decision Instituting, 1/4/2017.	
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			First Named Inventor	Harol	d Edward Price		
=			Art Unit		2454		
(NOTION SUBINIS	SIOII	i ulidel 37 CFR 1.99)	Examiner Name	MCLE	EOD, MARSHALL M		
	L REFERENCES CONSIDERED EXCES 24 IPR2016-01239 Decision Institu		Attorney Docket Numb	er	0021-49 CON4B		
ALL REFEREN	CES	CONSIDERED EXCEPT	WHERE LINED THROU	IGH.	/M.M.M/		
				matio	n please click the Add t	outton	
			EXAMINER SIGNAT	ΓURE			
Examiner Signat	ure	/MARSHALL M MCLE	OD/		Date Considered	06/07/2017	
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VA 22313-1450.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number		15283544
Filing Date		2016-10-03
First Named Inventor	Harol	d Edward Price
Art Unit		2454
Examiner Name	MCLE	EOD, MARSHALL M
Attorney Docket Numb	er	0021-49 CON4B

		CERTIFICATION	STATEMENT	
Plea	ase see 37 CFR 1	.97 and 1.98 to make the appropriate select	ion(s):	
	from a foreign p	of information contained in the information patent office in a counterpart foreign applic losure statement. See 37 CFR 1.97(e)(1).		•
OR	!			
	foreign patent o after making rea any individual d	f information contained in the information diffice in a counterpart foreign application, and asonable inquiry, no item of information cont esignated in 37 CFR 1.56(c) more than th 37 CFR 1.97(e)(2).	nd, to the knowledge of thating a sined in the information di	ne person signing the certification isclosure statement was known to
	See attached ce	rtification statement.		
\boxtimes	The fee set forth	in 37 CFR 1.17 (p) has been submitted here	ewith.	
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A s	ignature of the ap	SIGNA oplicant or representative is required in accor		18. Please see CFR 1.4(d) for the
Sigr	nature	/Ernest D. Buff/	Date (YYYY-MM-DD)	2017-02-21
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ST	ATEMENT E	3Y /	APPLICANT	First Named Inventor	Harold E. Price		
				Art Unit	2454		
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Receipt date: 04/11/2017

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.M.M/

Substit	tute for form 1449/PTO			Complete if Known	
				Application Number	15/283,544
INF	FORMATION	I DI	SCLOSURE	Filing Date	October 3, 2016
ST	ATEMENT 	3Y /	APPLICANT	First Named Inventor	Harold E. Price
				Art Unit	2454
	(Use as many sh	eets as	s necessary)	Examiner Name	MCLEOD, MARSHALL M.
Sheet	8	of	9	Attorney Docket Number	0021-49-CON4B

	Facsimile of	SB/08.
196.	"ATSC Digital Television Standard - A53"; September 16, 1995	
197.	"Transmission Control Protocol DARPA Internet Program Protocol Specification, RFC 793; September 1981	
198.	International Standard ISO IEC 11172-1; August 1, 1993	
199.	International Standard ISO IEC 11172-2; August, 1, 1993	
200.	ISO/IEC 13818-1 (MPEG2); November 13, 1994	
201.	ISO/IEC 13818-2 (MPEG2); March 25, 1994	
202.	KDD's Development of Internet- related Technologies; February 5, 1998	
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Examiner		Date	
Signature	/MARSHALL M MCLEOD/	Considered	06/07/2017

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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Substit	tute for form 1449/PTO			Complete if Known		
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Sheet	9	of	9	Attorney Docket Number	0021-49-CON4B	

	CERTIFICATION STA	ATEMENT					
Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):							
from a foreign p	That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).						
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Signature		Date (YYYY-MM- DD)					
Name/Print	Ernest D. Buff	Registration No.	25,833				
	ormation is required by 37 CFR 1.97 and 1.98. The file (and by the USPTO to process) an application						

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Search Notes



Application/Control No.	Applicant(s)/Patent Under Reexamination
15283544	PRICE, HAROLD EDWARD
Examiner	Art Unit
MARSHALL MCLEOD	2454

CPC- SEARCHED					
Symbol	Date	Examiner			
H04L65	12/23/2016	MM			
H04L49	12/23/2016	MM			
H04L65/80	6/7/2017	MM			
H04L65/4076	6/7/2017	MM			
H04L49/90	6/7/2017	MM			
H04L49/901	6/7/2017	MM			
H04L49/9084	6/7/2017	MM			
H04N21/23406	6/7/2017	MM			
H04N21/23805	6/7/2017	MM			
H04N21/2407	6/7/2017	MM			

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Symbol	Date	Examiner

	US CLASSIFICATION SEARCHED				
Class	Subclass	Date	Examiner		
709	203	6/7/2017	MM		
709	204	6/7/2017	MM		
709	217	6/7/2017	MM		
709	219	6/7/2017	MM		
709	223	6/7/2017	MM		

SEARCH NOTES		
Search Notes	Date	Examiner
EAST search history attached	6/7/2017	MM
Searched class 709 with text	6/7/2017	MM
Searched CPC with text	6/7/2017	MM
Searched GOOGLE with text	6/7/2017	MM
Consulted with SPE Joseph Avellino in regards to allowance	6/5/2017	MM

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Index of Claims 15283544

Application/Control No.	Applicant(s)/Patent Under Reexamination
15283544	PRICE, HAROLD EDWARD
Examiner	Art Unit
MARSHALL MCLEOD	2454

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U.S. Patent and Trademark Office Part of Paper No.: 20170606

Receipt date: 05/18/2017

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (03-15) Approved for use through 07/31/2016. OMB 0651-0031

nation Disclosure Statement (IDS) Filed

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number 15283544

Filing Date 2016-10-03

First Named Inventor Harold Edward Price

Art Unit 2454

Examiner Name Marshall M. McLeod

Attorney Docket Number 0021-49 CON4B

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.M.M/

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Receipt date: 05/18/2017

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number		15283544	
Filing Date		2016-10-03	
First Named Inventor Harole		d Edward Price	
Art Unit		2454	
Examiner Name Marsh		nall M. McLeod	
Attorney Docket Number		0021-49 CON4B	

	ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.M.M/	
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9	icecast, sock.c, July 1999	
10	icecast, utility.c, July 1999	
11	icecast, relay.c, July 1999	

R	eceipt	<u>date:</u>	05/18	/2017

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Examiner Name Marsh		nall M. McLeod
Attorney Docket Number		0021-49 CON4B

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	12	icecast, main.c, July 1999					
	13	icecast, icetypes.h, July 1999					
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	15	icecast, ice_string.c, July 1999					
	16	icecast, icecast.h, July 1999					
	17	icecast, sock.h, July 1999					
	18	shout.c, July 1999					
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		CERTIFICATION	STATEMENT			
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	That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).					
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\boxtimes	A certification sta	atement is not submitted herewith.				
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15283544

Examiner

MARSHALL MCLEOD

Art Unit

Applicant(s)/Patent Under Reexamination

PRICE, HAROLD EDWARD

2454

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Symbol			Туре	Version
H04L	65	4076	F	2013-01-01
H04L	29	06027	I	2013-01-01
H04L	49	90	I	2013-01-01
H04L	49	901	I	2013-01-01
H04L	49	9084	I	2013-01-01
H04N	21	23406	I	2013-01-01
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(Assistant Examiner)	(Date)	1	2
/JOSEPH E AVELLINO/ Supervisory Patent Examiner.Art Unit 2454	06/12/2017	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	3

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15283544

PRICE, HAROLD EDWARD

Applicant(s)/Patent Under Reexamination

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MARSHALL MCLEOD

Art Unit

2454

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Issue Classification

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15283544	PRICE, HAROLD EDWARD
Examiner	Art Unit
MARSHALL MCLEOD	2454

⊠	Claims renumbered in the same order as presented by applicant									☐ CPA ☐ T.D. ☐ R.1.47					
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/JOSEPH E AVELLINO/ Supervisory Patent Examiner.Art Unit 2454	06/12/2017	O.G. Print Claim(s)	O.G. Print Figure			
(Primary Examiner)	(Date)	1	3			

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PTO/SB/08a (03-15)

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	Application Number		15283544		
	Filing Date		2016-10-03		
INFORMATION DISCLOSURE	First Named Inventor		ld Edward Price		
STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Art Unit		2454		
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	Attorney Docket Number	er	0021-49-CON4B		

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(Not for submission under 37 CFR 1.99)

Application Number		15283544		
Filing Date		2016-10-03		
First Named Inventor	Hard	Harold Edward Price		
Art Unit		2454		
Examiner Name	MARSHALL M. MCLEOD			
Attorney Docket Number		0021-49-CON4B		

1	Eric Cole, "Hiding in Plain Sight: Steganography and the Art of Covert Communication," April 11, 2003; Wiley Publishing, Inc., ISBN-10: 0471444499.	
2	Eugene T. Lin et al., "Streaming video and rate scalable compression: what are the challenges for watermarking," January 2004.	
3	J.D. Gibson,"Multimedia Communications," November 2, 2000; ISBN-10: 0122821602.	
4	Jens Meggers et al.,"A Video Gateway to Support Video Streaming to Mobile Clients," November 1998.	
5	Ke Shen, "A Parallel Implementation of an MPEG1 Encoder: Faster Than Real-Time!" 1995.	
6	Ketan Mayer-Patel, "Software only video production switcher for the Internet Mbone," February 1994.	
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8	RealNetworks,"Real Player 7 Plus Manual," November 1999.	
9	'MacPacSat," December 1998; Gilbert Mackall (N3RZN) & Dog Park Software Ltd. (VE3VRW).	
10	Bob Breedlove et al., "Web Programming Unleashed," January 1996; ISBN-10: 1575211173.	
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	12	Christopher Yavelow,"Music & Sound Bible," IDG Books Worldwide, Inc.; July 1992; ISBN-10: 1878058185.					
	13	Nathaniel Polis	el Polish, "The Burstware Family of Protocols," January 1996.				
	14	IPR2015-0103	5 Decision Denying Rehea	aring; 4/4/2017.			
	15	IPR2017-0078	R2017-00784 Decision Instituting; 3/31/2017.				
	16	IPR2017-0078	2017-00785 Decision Instituting; 4/13/2017.				
	17	IPR2017-0078	2017-00786 Decision Granting Joinder, 6/5/2017.				
	18	IPR2017-0082	IPR2017-00820 Decision Granting Joinder; 6/5/2017.				
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IPR2022-01227 EXHIBIT 1003 - PAGE 00128

(Not for submission under 37 CFR 1.99)

Application Number		15283544
Filing Date		2016-10-03
First Named Inventor	Harold Edward Price	
Art Unit		2454
Examiner Name	MARSHALL M. MCLEOD	
Attorney Docket Number 0021-49-CON4B		0021-49-CON4B

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

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That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

- ★ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

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 The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

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- X A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature		Date (YYYY-MM-DD)	2017-06-15
Name/Print	Ernest D. Buff	Registration Number	25833

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

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- 2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
- 3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
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- 5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
- 6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
- 7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
- 8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
- 9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Patent Application Fee Transmittal					
Application Number:	15	283544			
Filing Date:	03-Oct-2016				
Title of Invention:	STREAMING MEDIA DELIVERY SYSTEM				
First Named Inventor/Applicant Name:	Harold Edward Price				
Filer:	ER	NEST D BUFF/Juliett	e Ferrigno		
Attorney Docket Number:	00:	21-49 CON4B			
Filed as Small Entity					
Filing Fees for Utility under 35 USC 111(a)					
Description		Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:					
Pages:					
Claims:					
Miscellaneous-Filing:					
Petition:					
Patent-Appeals-and-Interference:					
Post-Allowance-and-Post-Issuance:					
Extension-of-Time:					

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)	
Miscellaneous:					
SUBMISSION- INFORMATION DISCLOSURE STMT	2806	1	90	90	
	Tot	al in USD	(\$)	90	

Electronic Acknowledgement Receipt			
EFS ID:	29514196		
Application Number:	15283544		
International Application Number:			
Confirmation Number:	5655		
Title of Invention:	STREAMING MEDIA DELIVERY SYSTEM		
First Named Inventor/Applicant Name:	Harold Edward Price		
Customer Number:	25901		
Filer:	ERNEST D BUFF/Juliette Ferrigno		
Filer Authorized By:	ERNEST D BUFF		
Attorney Docket Number:	0021-49 CON4B		
Receipt Date:	15-JUN-2017		
Filing Date:	03-OCT-2016		
Time Stamp:	18:14:49		
Application Type:	Utility under 35 USC 111(a)		

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	\$90
RAM confirmation Number	061617INTEFSW00005786061448
Deposit Account	061448
Authorized User	Juliette Ferrigno

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

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Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement (IDS) Form (SB08)	15-283544_IDS_06-15-17.PDF	1036174 de733b73446e65bee633b459830751e264 8c1b3a	no	5

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2	Other Reference-Patent/App/Search documents	IPR 2015-01035_Decision_Deny ing_Rehearing.pdf	3270638 c020214788fac9ab88a999e81cf75e29cf698 2a9	no	10
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			2670494		
3	Other Reference-Patent/App/Search documents	IPR2017-00784_Decision_Instit uting.pdf	aaa7f82e144378b99a9a8ed2dc0dff02f5faa 15d	no	9
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PTO/SB/08a (03-15)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		15283544	
	Filing Date		2016-10-03	
	First Named Inventor	Haro	ld Edward Price	
	Art Unit		2454	
	Examiner Name	MARS	SHALL M. MCLEOD	
	Attorney Docket Number		0021-49-CON4B	

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If you wis	h to ac	d additional non-patent literature document citation information please click the Add button Add							
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Standard S ⁻¹ Kind of do	¹ See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.								

IPR2022-01227 EXHIBIT 1003 - PAGE 00138

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Application Number		15283544		
Filing Date		2016-10-03		
First Named Inventor	Hard	old Edward Price		
Art Unit		2454		
Examiner Name MARS		SHALL M. MCLEOD		
Attorney Docket Number		0021-49-CON4B		

CERTIFICATION STATEMENT

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OR

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See attached certification statement.

- The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
- X A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Ernest D. Buff/	Date (YYYY-MM-DD)	2017-06-15
Name/Print	Ernest D. Buff	Registration Number	25833

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

IPR2022-01227 EXHIBIT 1003 - PAGE 00139

Privacy Act Statement

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- 6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
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- 9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Ack	knowledgement Receipt
EFS ID:	29514282
Application Number:	15283544
International Application Number:	
Confirmation Number:	5655
Title of Invention:	STREAMING MEDIA DELIVERY SYSTEM
First Named Inventor/Applicant Name:	Harold Edward Price
Customer Number:	25901
Filer:	ERNEST D BUFF/Juliette Ferrigno
Filer Authorized By:	ERNEST D BUFF
Attorney Docket Number:	0021-49 CON4B
Receipt Date:	15-JUN-2017
Filing Date:	03-OCT-2016
Time Stamp:	18:20:19
Application Type:	Utility under 35 USC 111(a)

Payment information:

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Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
			1036128		
1	Information Disclosure Statement (IDS) Form (SB08)	15-283544_IDS_06-15-17.PDF	0971dab32ce074bfb95e6964fa118bb17e0 dda18	no	5
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New International Application Filed with the USPTO as a Receiving Office

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Doc code: IDS
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				Application N	Application Number			15283544		
INIEGO	84 A TI	ON DIOOL OOL		Filing Date	Filing Date			2016-10-03		
1	INFORMATION DISCLOSURE STATEMENT BY APPLICANT				First Named Inventor Harold					
(Not for submission under 37 CFR 1.99)			Art Unit	Art Unit						
			Examiner Na	Examiner Name Marsh						
					Attorney Docket Number			0021-49 CON4B		
		<u> </u>		U.S.I	PATENTS					
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date		Name of Patentee or Appli of cited Document		Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear		
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Examiner Initial*		Foreign Document Number ³	Country Code ² i	Country Code²i		Publication Date	Name of Patentee Applicant of cited Document	e or	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T5
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(Not for submission under 37 CFR 1.99)

Application Number		15283544
Filing Date		2016-10-03
First Named Inventor	Harold Edward Price	
Art Unit		2454
Examiner Name	Marshall M. McLeod	
Attorney Docket Number		0021-49 CON4B

1	icecast, AUTHORS, July 1999	
2	icecast, FAQ, July 1999	
3	icecast, How to Configure, July 1999	
4	icecast, README, July 1999	
5	icecast, Welcome to Icecast Web Admin Interface, July 1999	
6	icecast, icecast.conf, July 1999	
7	icecast, source.c, July 1999	
8	icecast, connection.c, July 1999	
9	icecast, sock.c, July 1999	
10	icecast, utility.c, July 1999	
11	icecast, relay.c, July 1999	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number		15283544
Filing Date		2016-10-03
First Named Inventor	Harol	d Edward Price
Art Unit		2454
Examiner Name	Marsh	nall M. McLeod
Attorney Docket Numb	er	0021-49 CON4B

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	15	icecast, ice_string.c, July 1999				
	16	icecast, icecast.h, July 1999				
	17	icecast, sock.h, July 1999				
	18	shout.c, July 1999				
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number		15283544
Filing Date	_	2016-10-03
First Named Inventor	Harol	d Edward Price
Art Unit		2454
Examiner Name	Marsh	nall M. McLeod
Attorney Docket Numb	er	0021-49 CON4B

		CERTIFICATION	STATEMENT	
Plea	ase see 37 CFR 1	.97 and 1.98 to make the appropriate selection	on(s):	
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	foreign patent of after making rea any individual de	information contained in the information diffice in a counterpart foreign application, an sonable inquiry, no item of information contaesignated in 37 CFR 1.56(c) more than thr 37 CFR 1.97(e)(2).	nd, to the knowledge of the ained in the information dis	e person signing the certification sclosure statement was known to
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	ignature of the ap n of the signature.	SIGNA plicant or representative is required in accord	· - · · -	8. Please see CFR 1.4(d) for the
Sigr	nature	/Ernest D. Buff/	Date (YYYY-MM-DD)	2017-05-18
Nan	ne/Print	Ernest D. Buff	Registration Number	25833

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Electronic Patent Application Fee Transmittal						
Application Number:	152	283544				
Filing Date:	03-	Oct-2016				
Title of Invention:	STI	REAMING MEDIA DE	ELIVERY SYSTEM			
First Named Inventor/Applicant Name:	Ha	rold Edward Price				
Filer:	ERI	NEST D BUFF/Ernest	: Buff			
Attorney Docket Number:	002	21-49 CON4B				
Filed as Small Entity						
Filing Fees for Utility under 35 USC 111(a)						
Description		Fee Code	Quantity	Amount	Sub-Total in USD(\$)	
Basic Filing:						
Pages:						
Claims:						
Miscellaneous-Filing:						
Petition:						
Patent-Appeals-and-Interference:						
Post-Allowance-and-Post-Issuance:						
Extension-of-Time:						

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
SUBMISSION- INFORMATION DISCLOSURE STMT	2806	1	90	90
	Tot	al in USD	(\$)	90

Electronic Ack	Electronic Acknowledgement Receipt				
EFS ID:	29244868				
Application Number:	15283544				
International Application Number:					
Confirmation Number:	5655				
Title of Invention:	STREAMING MEDIA DELIVERY SYSTEM				
First Named Inventor/Applicant Name:	Harold Edward Price				
Customer Number:	25901				
Filer:	ERNEST D BUFF/Ernest Buff				
Filer Authorized By:	ERNEST D BUFF				
Attorney Docket Number:	0021-49 CON4B				
Receipt Date:	18-MAY-2017				
Filing Date:	03-OCT-2016				
Time Stamp:	11:13:50				
Application Type:	Utility under 35 USC 111(a)				

Payment information:

Submitted with Payment	no
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File Listing:

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16	Non Patent Literature	15-NPL.pdf	295b742ef9e58b15bfeae7fdd2d828300a4 154fa	no	9
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Electronic Patent Application Fee Transmittal								
Application Number:	15	283544						
Filing Date:	03-	-Oct-2016						
Title of Invention:	STREAMING MEDIA DELIVERY SYSTEM							
First Named Inventor/Applicant Name:	На	rold Edward Price						
Filer:	Filer: Erik Alexander Huestis/Juliette Ferrigno							
Attorney Docket Number:	Attorney Docket Number: 0021-49 CON4B							
Filed as Small Entity								
Filing Fees for Utility under 35 USC 111(a)								
Description		Fee Code	Quantity	Amount	Sub-Total in USD(\$)			
Basic Filing:								
Pages:								
Claims:								
Miscellaneous-Filing:								
Petition:								
Patent-Appeals-and-Interference:								
Post-Allowance-and-Post-Issuance:								
Extension-of-Time:								

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
SUBMISSION- INFORMATION DISCLOSURE STMT	2806	1	90	90
	Tot	al in USD	(\$)	90

Electronic Acknowledgement Receipt					
EFS ID:	29249610				
Application Number:	15283544				
International Application Number:					
Confirmation Number:	5655				
Title of Invention:	STREAMING MEDIA DELIVERY SYSTEM				
First Named Inventor/Applicant Name:	Harold Edward Price				
Customer Number:	25901				
Filer:	Erik Alexander Huestis/Juliette Ferrigno				
Filer Authorized By:	Erik Alexander Huestis				
Attorney Docket Number:	0021-49 CON4B				
Receipt Date:	18-MAY-2017				
Filing Date:	03-OCT-2016				
Time Stamp:	15:16:43				
Application Type:	Utility under 35 USC 111(a)				

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	\$90
RAM confirmation Number	051917INTEFSW00001563061448
Deposit Account	061448
Authorized User	Juliette Ferrigno

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37 CFR 1.17 (Patent application and reexamination processing fees)

IPR2022-01227

37 CFR 1.19 (Document supply fees)
37 CFR 1.20 (Post Issuance fees)

37 CFR 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
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Warnings:

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Substitute for form 1449/PTO				Complete if Known		
			Application Number	15/283,544		
INF	FORMATION	1 DI	SCLOSURE	Filing Date	October 3, 2016	
ST	ATEMENT 	3Y /	APPLICANT	First Named Inventor	Harold E. Price	
				Art Unit	2454	
(Use as many sheets as necessary)			s necessary)	Examiner Name	MCLEOD, MARSHALL M.	
Sheet	1	of	9	Attorney Docket Number	0021-49-CON4B	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1.	A. Periyannan; "Delivering Media Generically over RTP"; March 13, 1998	
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	12.	ARRL Amateur Radio; "Computer Networking Conference 1-4"; 1981-1985	
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	15.	ARRL Amateur Radio; "7th Computer Networking Conference"; Oct. 1, 1988	
	16.	ARRL Amateur Radio; "8th Computer Networking Conference"; Oct. 7, 1989	
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	18.	Asit Dan; "A Dynamic Policy of Segment Replication for Load-Balancing in Video-on-Demand Servers," Multimedia Systems; 1995	
	19.	Berners Lee, " "Hypertext Transfer Protocol 1.0," May 1996.	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number		15283544		
Filing Date		2016-10-03		
First Named Inventor Hard		d Edward Price		
Art Unit		2454		
Examiner Name MCL		EOD, MARSHALL M		
Attorney Docket Number		0021-49 CON4B		

1 IPR2015-01035 Decision Denying Institution, October 23, 2015.						
2 IPR2015-01036 Decision Instituting, October 23, 2015.						
	3 IPR2015-01037 Decision Denying Institution, October 19, 2015.					
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Examiner Name MCL		EOD, MARSHALL M		
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Electronic Patent Application Fee Transmittal							
Application Number:	15283544						
Filing Date:	03-	-Oct-2016					
Title of Invention:	STREAMING MEDIA DELIVERY SYSTEM						
First Named Inventor/Applicant Name:	Harold Edward Price						
Filer:	ERNEST D BUFF/Ernest Buff						
Attorney Docket Number:	0021-49 CON4B						
Filed as Small Entity							
Filing Fees for Utility under 35 USC 111(a)							
Description		Fee Code	Quantity	Amount	Sub-Total in USD(\$)		
Basic Filing:							
Pages:							
Claims:							
Miscellaneous-Filing:							
Petition:							
Patent-Appeals-and-Interference:							
Post-Allowance-and-Post-Issuance:							
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Miscellaneous:				
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Electronic Acknowledgement Receipt				
EFS ID:	28888532			
Application Number:	15283544			
International Application Number:				
Confirmation Number:	5655			
Title of Invention:	STREAMING MEDIA DELIVERY SYSTEM			
First Named Inventor/Applicant Name:	Harold Edward Price			
Customer Number:	25901			
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Time Stamp:	10:15:45			
Application Type:	Utility under 35 USC 111(a)			

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Substit	tute for form 1449/PTO			Complete if Known		
				Application Number	15/283,544	
INF	FORMATION	1 DI	SCLOSURE	Filing Date	October 3, 2016	
ST	ATEMENT 	3Y /	APPLICANT	First Named Inventor	Harold E. Price	
				Art Unit	2454	
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Sheet	1	of	9	Attorney Docket Number	0021-49-CON4B	

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				Art Unit	2454
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				Art Unit	2454
	(Use as many she	eets as	s necessary)	Examiner Name	MCLEOD, MARSHALL M.
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ST	ATEMENT 	3Y /	APPLICANT	First Named Inventor	Harold E. Price
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			Application Number	15/283,544		
INFORMATION DISCLOSURE				Filing Date	October 3, 2016	
ST	ATEMENT	3Y /	APPLICANT	First Named Inventor	Harold E. Price	
				Art Unit	2454	
(Use as many sheets as necessary)		Examiner Name	MCLEOD, MARSHALL M.			
Sheet	7	of	9	Attorney Docket Number	0021-49-CON4B	

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Substitute for form 1449/PTO				Complete if Known		
				Application Number	15/283,544	
INFORMATION DISCLOSURE				Filing Date	October 3, 2016	
ST	ATEMENT	3Y /	APPLICANT	First Named Inventor	Harold E. Price	
				Art Unit	2454	
(Use as many sheets as necessary)		Examiner Name	MCLEOD, MARSHALL M.			
Sheet	8	of	9	Attorney Docket Number	0021-49-CON4B	

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Examiner	Date	
Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Complete if Known Substitute for form 1449/PTO Application Number 15/283,544 INFORMATION DISCLOSURE October 3, 2016 Filing Date STATEMENT BY APPLICANT First Named Inventor Harold E. Price Art Unit 2454 (Use as many sheets as necessary) Examiner Name MCLEOD, MARSHALL M. 9 of 9 0021-49-CON4B Sheet Attorney Docket Number

	CERTIFICATION	STATEMENT	
Please see 37 CFR 1	.97 and 1.98 to make the appropriate selectio	n(s):	
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foreign patent of after making rea any individual de	information contained in the information dis ffice in a counterpart foreign application, and sonable inquiry, no item of information contain esignated in 37 CFR 1.56(c) more than three 37 CFR 1.97(e)(2).	d, to the knowledge of th ned in the information dis	e person signing the certification closure statement was known to
See attached ce	rtification statement.		
X The fee set forth	in 37 CFR 1.17 (p) has been submitted herev	vith.	
X A certification sta	atement is not submitted herewith.		
A signature of the ap form of the signature.	SIGNATU plicant or representative is required in accorda		3. Please see CFR 1.4(d) for the
Signature	/Ernest D. Buff/	Date (YYYY-MM- DD)	2016-11-20
Name/Print	Ernest D. Buff	Registration No.	25,833

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Electronic Patent Application Fee Transmittal							
Application Number:	15	283544					
Filing Date:	03-	-Oct-2016					
Title of Invention:	STREAMING MEDIA DELIVERY SYSTEM						
First Named Inventor/Applicant Name:	Harold Edward Price						
Filer:	ERI	NEST D BUFF/Ernes	t Buff				
Attorney Docket Number:	0021-49 CON4B						
Filed as Small Entity							
Filing Fees for Utility under 35 USC 111(a)							
Description		Fee Code	Quantity	Amount	Sub-Total in USD(\$)		
Basic Filing:							
Pages:							
Claims:							
Miscellaneous-Filing:							
Petition:							
Patent-Appeals-and-Interference:							
Post-Allowance-and-Post-Issuance:							
Extension-of-Time:							

Description	Fee Code	Fee Code Quantity		Sub-Total in USD(\$)
Miscellaneous:				
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	Tot	al in USD	(\$)	90

Electronic Acknowledgement Receipt				
EFS ID:	28889236			
Application Number:	15283544			
International Application Number:				
Confirmation Number:	5655			
Title of Invention:	STREAMING MEDIA DELIVERY SYSTEM			
First Named Inventor/Applicant Name:	Harold Edward Price			
Customer Number:	25901			
Filer:	ERNEST D BUFF/Ernest Buff			
Filer Authorized By:	ERNEST D BUFF			
Attorney Docket Number:	0021-49 CON4B			
Receipt Date:	11-APR-2017			
Filing Date:	03-OCT-2016			
Time Stamp:	11:05:18			
Application Type:	Utility under 35 USC 111(a)			

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Payment Type	EFT
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	Application Number		15283544	
NI-0-114-1011-1011-1011-1011-1	Filing Date		2016-10-03	
INFORMATION DISCLOSURE	First Named Inventor	Harol	d Edward Price	
STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Art Unit		2454	
	Examiner Name	Marsh	nall M. McLeod	
	Attorney Docket Number		0021-49 CON4B	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number		15283544		
Filing Date		2016-10-03		
First Named Inventor Harol		d Edward Price		
Art Unit		2454		
Examiner Name Marsh		nall M. McLeod		
Attorney Docket Number		0021-49 CON4B		

	1	SHAE, et al., Large Scale Experiments on Low Bit Rate Multimedia Broadcast, IS&T/SPIE Conference on Visual Communications and Image Processing '99, SPIE Vol. 3653, January 1999						
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	5 IPR2016-01657 Decision Denying Institution, Feb. 27, 2017							
	6 IPR2016-01658 Decision Instituting, Feb. 27, 2017							
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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EFS Web 2.1.17

Application Number		15283544		
Filing Date		2016-10-03		
First Named Inventor	Harol	d Edward Price		
Art Unit		2454		
Examiner Name Marsh		nall M. McLeod		
Attorney Docket Number		0021-49 CON4B		

	CERTIFICATION STATEMENT				
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	SIGNATURE A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.				
Sigr	nature	/Ernest D. Buff/	Date (YYYY-MM-DD)	2017-04-06	
Nan	ne/Print	Ernest D. Buff	Registration Number	25,833	

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Electronic Patent Application Fee Transmittal							
Application Number:	152	283544					
Filing Date:	03-	-Oct-2016					
Title of Invention:	STI	REAMING MEDIA DE	ELIVERY SYSTEM				
First Named Inventor/Applicant Name:	Harold Edward Price						
Filer:	ERNEST D BUFF/Ernest Buff						
Attorney Docket Number:	0021-49 CON4B						
Filed as Small Entity							
Filing Fees for Utility under 35 USC 111(a)							
Description		Fee Code	Quantity	Amount	Sub-Total in USD(\$)		
Basic Filing:							
Pages:							
Claims:							
Miscellaneous-Filing:							
Petition:							
Patent-Appeals-and-Interference:							
Post-Allowance-and-Post-Issuance:							
Extension-of-Time:							

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
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Application Number:	15283544		
International Application Number:			
Confirmation Number:	5655		
Title of Invention:	STREAMING MEDIA DELIVERY SYSTEM		
First Named Inventor/Applicant Name:	Harold Edward Price		
Customer Number:	25901		
Filer:	ERNEST D BUFF/Ernest Buff		
Filer Authorized By:	ERNEST D BUFF		
Attorney Docket Number:	0021-49 CON4B		
Receipt Date:	06-APR-2017		
Filing Date:	03-OCT-2016		
Time Stamp:	17:15:56		
Application Type:	Utility under 35 USC 111(a)		

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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

Electronic Patent Application Fee Transmittal					
Application Number:	15283544				
Filing Date:	03-Oct-2016				
Title of Invention:	STI	REAMING MEDIA DE	ELIVERY SYSTEM		
First Named Inventor/Applicant Name:	Harold Edward Price				
Filer:	Erik Alexander Huestis/Juliette Ferrigno				
Attorney Docket Number:	0021-49 CON4B				
Filed as Small Entity					
Filing Fees for Utility under 35 USC 111(a)					
Description		Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:					
Pages:					
Claims:					
Miscellaneous-Filing:					
Petition:					
Patent-Appeals-and-Interference:					
Post-Allowance-and-Post-Issuance:					
Extension-of-Time:					

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
SUBMISSION- INFORMATION DISCLOSURE STMT	2806	1	90	90
	Total in USD (\$)		90	

Electronic Acknowledgement Receipt		
EFS ID:	28859393	
Application Number:	15283544	
International Application Number:		
Confirmation Number:	5655	
Title of Invention:	STREAMING MEDIA DELIVERY SYSTEM	
First Named Inventor/Applicant Name:	Harold Edward Price	
Customer Number:	25901	
Filer:	Erik Alexander Huestis/Juliette Ferrigno	
Filer Authorized By:	Erik Alexander Huestis	
Attorney Docket Number:	0021-49 CON4B	
Receipt Date:	06-APR-2017	
Filing Date:	03-OCT-2016	
Time Stamp:	23:10:16	
Application Type:	Utility under 35 USC 111(a)	

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	\$90
RAM confirmation Number	040717INTEFSW00006580061448
Deposit Account	061448
Authorized User	Juliette Ferrigno

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

37 CFR 1.16 (National application filing, search, and examination fees)

37 CFR 1.17 (Patent application and reexamination processing fees)

IPR2022-01227