

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
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In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court _____ for the Central District of California _____ on the following

Trademarks or Patents. (the patent action 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 WAG Aquisition, L.L.C.		DEFENDANT 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		

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY <input type="checkbox"/> Amendment <input type="checkbox"/> Answer <input type="checkbox"/> Cross Bill <input type="checkbox"/> Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK	(BY) DEPUTY CLERK	DATE
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Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
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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
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In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Western 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-815	DATE FILED 8/6/2021	U.S. DISTRICT COURT Western District of Texas, Waco Division
PLAINTIFF WAG Acquisition, L.L.C.		DEFENDANT 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 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		

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IPR2022-01227



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In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Western 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 WAG Acquisition, L.L.C.		DEFENDANT 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:

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PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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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;

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Substitute for form 1449/PTO			<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Application Number	15/283,544
			Filing Date	10/03/2016
			First Named Inventor	Harold Edward Price
			Art Unit	2447
			Examiner Name	N/A
			Attorney Docket Number	0021-49-CON4B
Sheet	8	of	12	

Change(s) applied
to document,
/CCB/
7/18/2017

	242.	7,149,811	12-12-2008	Wise, et. al.	
	243.	7,154,895	12-26-2006	Bornemisza, et. al.	
	244.	7,158,518	01-02-2007	Burmeister, et. al.	
	245.	7,161,939	01-09-2007	Israel, et. al.	
	246.	7,167,560	01-23-2007	Yu	
	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.	
	250.	7,224,703	05-29-2007	Antal, et. al.	
	251.	7,237,254	06-26-2007	Microsoft Corp. Omoigui	
	252.	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	Lynn, et. al.	
	255.	7,266,118	09-04-2007	Ido, et. al.	
	256.	7,272,298	09-18-2007	Lang, et. al.	
	257.	7,272,658	09-18-2007	Edelman, et. al.	
	258.	7,287,083	10-23-2007	Nay, et. al.	
	259.	7,298,849	11-20-2007	Graunke	
	260.	7,302,396	11-27-2007	Cooke	
	261.	7,310,678	12-18-2007	Gunaseelan, et. al.	
	262.	7,318,017	01-08-2008	Swoboda	
	263.	7,330,902	02-12-2008	Bergenwall, et. al.	
	264.	7,334,016	02-19-2008	Fishhaut, et. al.	
	265.	7,334,044	02-19-2008	Allen	
	266.	7,346,698	03-18-2008	Hannaway	
	267.	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.	7,398,312	07-08-2008	Guo, et. al.	
	271.	7,406,176	07-28-2008	Zhu, et. al.	
	272.	7,424,730	09-09-2008	Chou	
	273.	7,434,052	10-07-2008	Rump	
	274.	7,448,062	11-04-2008	Bloch, et. al.	
	275.	7,471,834	12-30-2008	Sull, et. al.	
	276.	7,478,164	01-13-2009	Lango, et. al.	

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			<i>Complete if Known</i>	
			Application Number	15/283,544
Sheet 6 of 12			Filing Date	10/03/2016
			First Named Inventor	Harold Edward Price
			Art Unit	2447
			Examiner Name	N/A
			Attorney Docket Number	0021-49-CON4B

	173.	6,438,630		08-20-2002	DeMoney	
	174.	6,449,719		09-10-2002	Baker	
	175.	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.	
	178.	6,502,194		12-31-2002	Berman, et. al.	
	179.	6,535,920		03-18-2003	Parry, et. al.	
	180.	6,536,043		03-18-2003	Guedalia	
	181.	6,549,942		04-15-2003	Janky, et. al.	
	182.	6,557,031		04-29-2003	Mimura, et. al.	
	183.	6,574,218		06-03-2003	Cooklev	
	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 to document, /CCB/ 7/18/2017	189.	6,637,031		10-21-2003	Chou	
	190.	6,675,241	01/2004	06-06-2004	Hunter	
	191.	6,700,893		03-02-2004	Radha, et. al.	
	192.	6,708,213		03-16-2004	Bommaiah, et. al.	
	193.	6,711,741		03-23-2004	Yeo	
	194.	6,715,007		03-30-2004	Williams, et. al.	
	195.	6,715,126		03-30-2004	Chang, et. al.	
	196.	6,728,753		04-27-2004	Parasnis	
	197.	6,738,380		05-18-2004	Imai, et. al.	
	198.	6,741,290		05-25-2004	Wells	
	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.	
	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.	

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

Change(s) applied
to document
/CCB/
7/18/2017

	138.	6,097,422		08-01-2000	Aref, et. al.	
	139.	6,138,147		10-24-2000	Weaver, et. al.	
	140.	6,151,632		11-21-2000	Chaddha, et. al.	
	141.	6,151,634		11-21-2000	Glaser, et. al.	
	142.	6,161,137		12-12-2000	Ogdon, et. al.	
	143.	6,173,328	01/2001	06-09-2001	Sato	
	144.	6,173,340	01/2001	06-09-2001	Gready, et. al.	
	145.	6,181,364		01-30-2001	Ford	
	146.	6,192,032		02-20-2001	Izquierdo	
	147.	6,205,525		03-20-2001	Korst	
	148.	6,212,206		04-03-2001	Ketcham	
	149.	6,233,226		05-15-2001	Gringeri, et. al.	
	150.	6,249,551		06-19-2001	Yamaguchi	
	151.	6,263,001		07-17-2001	Banks	
	152.	6,269,394		07-31-2001	Kenner, et. al.	
	153.	6,275,536		08-14-2001	Chen, et. al.	
	154.	6,279,040		08-21-2001	Ma, et. al.	
	155.	6,292,834		09-18-2001	Ravi, et. al.	
	156.	6,301,258		10-09-2001	Katseff, et. al.	
	157.	6,317,416		11-13-2001	Giroux, et. al.	
	158.	6,317,795		11-13-2001	Malkin, et. al.	
	159.	6,321,269		11-20-2001	Walker	
	160.	6,329,986		12-11-2001	Cheng	
	161.	6,370,272		04-09-2002	Shimizu	
	162.	6,377,931		04-23-2002	Shlomot	
	163.	6,377,995		04-23-2002	Agraharam, et. al.	
	164.	6,385,596		05-07-2002	Wiser	
	165.	6,389,473		05-14-2002	Carnel, et. al.	
	166.	6,396,907		05-28-2002	Didcock	
	167.	6,387,251		05-28-2002	Graf	
	168.	6,397,259		05-28-2002	Lincke	
	169.	6,405,256		06-11-2002	Lin, et. al.	
	170.	6,408,128		06-18-2002	Abecassis	
	171.	6,430,620		08-06-2002	Omura, et. al.	
	172.	6,438,123		08-20-2002	Chapman	

Substitute for form 1449/PTO			<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Application Number	15/283,544
			Filing Date	10/02/2016
			First Named Inventor	Harold Edward Price
			Art Unit	2447
			Examiner Name	N/A
			Attorney Docket Number	0021-49-CON4B
Sheet	4	of	12	

	103.	5,937,164		08-10-1999	Mages, et. al.	
	104.	5,938,734		08-17-1999	Yao, et. al.	
	105.	5,953,506		09-14-1999	Kaira, et. al.	
	106.	5,956,716		09-21-1999	Kenner, et. al.	
	107.	5,963,202		10-05-1999	Polish	
	108.	5,968,120		10-19-1999	Guedalia	
	109.	5,969,763		10-19-1999	Sakamoto	
	110.	5,974,503		10-26-1999	Venkatesh, et. al.	
	111.	5,978,567		11-02-1999	Rebane, et. al.	
	112.	5,987,510		11-16-1999	Imai, et. al.	
	113.	5,995,091		11-30-1999	Near, et. al.	
	114.	5,995,705		11-30-1999	Lang	
	115.	5,996,015		11-30-1999	Day, et. al.	
	116.	5,999,525		12-07-1999	Krshnaswamy, et. al.	
	117.	6,002,720		12-14-1999	Yurt, et. al.	
	118.	6,005,600		12-21-1999	Hill	
	119.	6,011,590		01-04-2000	Saukkonen	
	120.	6,014,693		06-11-2000	Ito, et. al.	
Change(s) applied to document /CCB/ 7/18/2017	121.	6,014,694	01/2000	06-11-2000	Aharoni, et. al.	
	122.	6,014,706	01/2000	06-11-2000	Cannon, et. al.	
	123.	6,018,359		01-25-2000	Kermode, et. al.	
	124.	6,029,194		02-22-2000	Tilt	
	125.	6,032,189		02-29-2000	Jinzenji, et. al.	
	126.	6,032,193		02-29-2000	Sullivan	
	127.	6,032,197		02-29-2000	Birdwell, et. al.	
	128.	6,037,983		03-14-2000	Au, et. al.	
	129.	6,047,317		04-04-2000	Bisdikian, et. al.	
	130.	6,047,356		04-04-2000	Anderson, et. al.	
	131.	6,057,832		05-02-2000	Lev, et. al.	
	132.	6,061,731		05-08-2000	Blakeslee	
	133.	6,061,732		05-09-2000	Korst, et. al.	
	134.	6,065,050		05-16-2000	DeMoney	
	135.	6,067,303		05-23-2000	Aaker, et. al.	
	136.	6,085,221		07-04-2000	Graf	
	137.	6,085,252		07-04-2000	Zhu, et. al.	

Substitute for form 1449/PTO			<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Application Number	15/283,544
			Filing Date	10/03/2016
			First Named Inventor	Harold Edward Price
			Art Unit	2447
			Examiner Name	N/A
			Attorney Docket Number	0021-49-CON4B
Sheet	2	of	12	

	33.	5,491,801	02-13-1996	Jain, et. al.	
	34.	5,493,514	02-20-1996	Keith, et. al.	
	35.	5,497,404	03-05-1996	Grover, et. al.	
	36.	5,515,511	05-07-1996	Nguyen, et. al.	
	37.	5,517,672	05-14-1996	Reussner, et. al.	
	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.	
	42.	5,541,919	07-30-1996	Yong, et. al.	
	43.	5,544,170	08-06-1996	Kasahara	
	44.	5,550,982	08-27-1996	Long, et. al.	
	45.	5,561,637	10-01-1996	Dan et. al.	
	46.	5,561,670	10-01-1996	Hoffert, et. al.	
	47.	5,566,175	10-15-1996	Davis	
	48.	5,574,934	11-22-1996	Mirashrafi, et. al.	
	49.	5,579,239	11-26-1996	Freeman, et. al.	
	50.	5,583,561	12-10-1996	Baker, et. al.	
	51.	5,583,563	12-10-1996	Wanderscheid, et. al.	
	52.	5,602,831	02-11-1997	Gaskill	
	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, et. al.	
	57.	5,623,490	04-22-1997	Richter, et. al.	
	58.	5,627,936	05-06-1997	Prasad, et. al.	
	59.	5,633,859	05-27-1997	Jain, et. al.	
	60.	5,644,355	07-01-1997	Koz, et. al.	
	61.	5,661,665	08-26-1997	Glass, et. al.	
	62.	5,663,951	09-02-1997	Danneels, et. al.	
	63.	5,664,044	09-02-1997	Ware	
	64.	5,664,116	09-02-1997	Gaytan, et. al.	
Change(s) applied to document /CCB/ 7/18/2017	65.	5,666,161	09-09-1997	Kohiyama, et. al.	
	66.	5,668,948	09-16-1997	Baiknap, et. al.	
	67.	5,710,970	01/1998 01-20-1996	Walters, et. al.	



UNITED STATES PATENT AND TRADEMARK OFFICE

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Table with 5 columns: 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 7590 08/16/2017
ERNEST D. BUFF
ERNEST D. BUFF AND ASSOCIATES, LLC.
231 SOMERVILLE ROAD
BEDMINSTER, NJ 07921

EXAMINER

MCLEOD, MARSHALL M

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.



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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 EDWARD	0021-49 CON4B

ERNEST D. BUFF ERNEST D. BUFF AND ASSOCIATES, LLC. 231 SOMERVILLE ROAD BEDMINSTER, NJ 07921	EXAMINER	
	MARSHALL MCLEOD	
	ART UNIT	PAPER
	2454	20170814

DATE MAILED:

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

Commissioner for Patents

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

/MARSHALL MCLEOD/
Examiner, Art Unit 2454

/AFTAB N. KHAN/
Primary Examiner, Art Unit 2454

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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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	
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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.						T ⁵

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	Examiner Name	MARSHALL M. MCLEOD
	Attorney Docket Number	0021-49-CON4B

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

12	Christopher Yavelow, "Music & Sound Bible," IDG Books Worldwide, Inc.; July 1992; ISBN-10: 1878058185.
13	Nathaniel Polish, "The Burstware Family of Protocols," January 1996.
14	IPR2015-01035 Decision Denying Rehearing; 4/4/2017.
15	IPR2017-00784 Decision Instituting; 3/31/2017.
16	IPR2017-00785 Decision Instituting; 4/13/2017.
17	IPR2017-00786 Decision Granting Joinder; 6/5/2017.
18	IPR2017-00820 Decision Granting Joinder; 6/5/2017.

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature	/MARSHALL M MCLEOD/	Date Considered	08/14/2017
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*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	Harold Edward Price
	Art Unit	2454
	Examiner Name	MARSHALL 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.

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



UNITED STATES PATENT AND TRADEMARK OFFICE

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 **MUST** 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 ON OR AFTER SEPTEMBER 16, 2012,
NOT IN COMPLIANCE WITH 37 CFR 1.78**

- 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 ADS dated 10/03/2016, listing application number(s) 10825869.
- 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).

WARNING: 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 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	0021-49CON4B-Response-to-CorrectApplicPapers.pdf	35224 <small>ab2ffcd6ca88dc2528d32201a21d8224c4550d8</small>	no	2

Warnings:

IPR2022-01227

Information:					
2	Application Data Sheet	15283544-Corrected-ADS.pdf	851851	no	9
			1350bb33a60db8761784d283ba1480e7cc09fe73		

Warnings:

Information:

This is not an USPTO supplied ADS fillable form

3	Miscellaneous Incoming Letter	15283544-NOTICE.pdf	119510	no	2
			6fdaf1209d23466d064c3a7f6e55c80c57e6e892		

Warnings:

Information:

Total Files Size (in bytes):	1006585
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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, L.L.C.	Customer No.	: 25901
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

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

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 Docket Number	0021-49-CON4B
		Application Number	
Title of Invention	STREAMING MEDIA DELIVERY SYSTEM		
The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76. This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.			

Secrecy Order 37 CFR 5.2:

<input type="checkbox"/>	Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)
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Inventor Information:

Inventor 1					Remove	
Legal Name						
Prefix	Given Name	Middle Name	Family Name	Suffix		
	Harold	Edward	PRICE			
Residence Information (Select One) <input checked="" type="radio"/> US Residency <input type="radio"/> Non US Residency <input type="radio"/> Active US Military Service						
City	Bethel Park	State/Province	PA	Country of Residence	US	
Mailing Address of Inventor:						
Address 1	5949 Pudding Stone Lane					
Address 2						
City	Bethel Park	State/Province	PA			
Postal Code	15102	Country	US			
All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button.						
Add						

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below. For further information see 37 CFR 1.33(a).							
<input checked="" type="checkbox"/> An Address is being provided for the correspondence Information of this application.							
Name 1	Ernest D. Buff	Name 2					
Address 1	Ernest D. Buff & Associates, LLC						
Address 2	231 Somerville Road						
City	Bedminster	State/Province	NJ				
Country	US	Postal Code	07921				
Phone Number	908-901-0220	Fax Number	908-901-0330				
Email Address	EBuff@edbuff.com					Add Email	Remove Email

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 Docket Number	0021-49-CON4B
	Application Number	
Title of Invention	STREAMING MEDIA DELIVERY SYSTEM	

Application Information:

Title of the Invention	STREAMING MEDIA DELIVERY SYSTEM		
Attorney Docket Number	0021-49-CON4B	Small Entity Status Claimed	<input checked="" type="checkbox"/>
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	3	Suggested Figure for Publication (if any)	1

Filing By Reference:

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Publication Information:

Request Early Publication (Fee required at time of Request 37 CFR 1.219)

Request Not to Publish. I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

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:					
<input type="radio"/>	Customer Number	<input checked="" type="radio"/>	US Patent Practitioner	<input type="radio"/>	Limited Recognition (37 CFR 11.9)
Prefix	Given Name	Middle Name	Family Name	Suffix	<input type="button" value="Remove"/>
Mr.	Ernest	D.	Buff		
Registration Number	25833				
Additional Representative Information blocks may be generated within this form by selecting the Add button.					

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 Docket Number	0021-49-CON4B
		Application Number	
Title of Invention	STREAMING MEDIA DELIVERY 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 Application Status	Pending		Remove		
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
	Continuation of	13815040	2013-01-25		
Prior Application Status	Patented		Remove		
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
13815040	Continuation of	13385375	2012-02-16	8364839	2013-01-29
Prior Application Status	Patented		Remove		
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
13385375	Continuation of	12800177	2010-05-10	8185611	2012-05-22
Prior Application Status	Patented		Remove		
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
12800177	Continuation of	10893814	2004-07-19	7716358	2010-05-11
Prior Application Status	Patented		Remove		
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
10893814	Continuation in part of	09819337	2001-03-28	6766376	2004-07-20
Prior Application Status	Expired		Remove		
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
09819337	Claims benefit of provisional	60231997	2000-09-12		
Prior Application Status	Patented		Remove		
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
10825869	Continuation of	09819337	2001-03-28	6766376	2004-07-20

Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button.

Foreign Priority Information:

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 Docket Number	0021-49-CON4B
	Application Number	
Title of Invention	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)ⁱ 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).

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

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

<p>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.</p> <p><input type="checkbox"/> 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.</p>
--

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	0021-49-CON4B
	Application Number	
Title of Invention	STREAMING MEDIA DELIVERY 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 **must opt-out** 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. Priority Document Exchange (PDX) - Unless box A in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** 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 **DOES NOT** 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.

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 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

If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.

Assignee Legal Representative under 35 U.S.C. 117 Joint Inventor

Person to whom the inventor is obligated to assign. Person who shows sufficient proprietary interest

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:

Name of the Deceased or Legally Incapacitated Inventor:

If the Applicant is an Organization check here.

Organization Name WAG ACQUISITION, L.L.C.

Mailing Address Information For Applicant:

Address 1	3 Gold Mine Road, Suite 104		
Address 2			
City	Flanders	State/Province	NJ
Country	US	Postal Code	07836
Phone Number	973-691-8717	Fax Number	973-691-7427
Email Address	bill@surfernetwork.com		

Additional Applicant Data may be generated within this form by selecting the Add button.

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.

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 Docket Number	0021-49-CON4B
	Application Number	
Title of Invention	STREAMING MEDIA DELIVERY SYSTEM	

Assignee 1

Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.

If the Assignee or Non-Applicant Assignee is an Organization check here.

Prefix	Given Name	Middle Name	Family Name	Suffix

Mailing Address Information For Assignee including Non-Applicant Assignee:

Address 1				
Address 2				
City		State/Province		
Country ⁱ	Postal Code			
Phone Number	Fax Number			
Email Address				

Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button.

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 power 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. Buff/		Date (YYYY-MM-DD)	2016-10-03	
First Name	Ernest	Last Name	Buff	Registration Number	25,833

Additional Signature may be generated within this form by selecting the Add button.

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 Docket Number	0021-49-CON4B
	Application Number	
Title of Invention	STREAMING MEDIA DELIVERY 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.
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.



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

Table with 5 columns: 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 7590 07/03/2017
ERNEST D. BUFF
ERNEST D. BUFF AND ASSOCIATES, LLC.
231 SOMERVILLE ROAD
BEDMINSTER, NJ 07921

EXAMINER

MCLEOD, MARSHALL M

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.



UNITED STATES PATENT AND TRADEMARK OFFICE

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 **MUST** 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 ON OR AFTER SEPTEMBER 16, 2012,
NOT IN COMPLIANCE WITH 37 CFR 1.78**

- 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 ADS dated 10/03/2016, listing application number(s) 10825869.
- 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).

WARNING: 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
 or Fax (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.

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.

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

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

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). <input type="checkbox"/> Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. <input type="checkbox"/> "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.	2. For printing on the patent front page, list (1) The names of up to 3 registered patent attorneys 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.	1 <u>Ernest D. Buff</u> 2 <u>Ernest D. Buff & Associates, LLC</u> 3 _____
--	---	---

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 WAG ACQUISITION, L.L.C. (B) RESIDENCE: (CITY and STATE OR COUNTRY) 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:
 Issue Fee
 Publication Fee (No small entity discount permitted)
 Advance Order - # of Copies _____

4b. Payment of Fee(s): (**Please first reapply any previously paid issue fee shown above**)
 A check is enclosed.
 Payment by credit card. Form PTO-2038 is attached.
 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 form).

5. **Change in Entity Status** (from status indicated above)
 Applicant certifying micro entity status. See 37 CFR 1.29
 Applicant asserting small entity status. See 37 CFR 1.27
 Applicant changing to regular undiscounted fee status.

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.
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.
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 /Ernest D. Buff/ Date June 30, 2017
 Typed or printed name Ernest D. Buff Registration No. 25,833

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:				
Total 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
------------------------	----

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	15-283544-0021-49CON4B-IssueFee.pdf	158819 <small>061af5a0dfbb223c1dd87f0c35b6cadd1725a0ec</small>	no	1

Warnings:

IPR2022-01227

Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30556	no	2
			9437ca097fa68c8602ba9bd17c4dc7a258de85f7		
Warnings:					
Information:					
Total Files Size (in bytes):				189375	
<p>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.</p> <p><u>New Applications Under 35 U.S.C. 111</u> 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.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> 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.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> 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.</p>					

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
 or Fax (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.

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

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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.

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

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

EXAMINER	ART UNIT	CLASS-SUBCLASS
MCLEOD, MARSHALL M	2454	709-219000

<p>1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).</p> <p><input type="checkbox"/> Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.</p> <p><input type="checkbox"/> "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.</p>	<p>2. For printing on the patent front page, list</p> <p>(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,</p> <p>(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.</p> <p>1 <u>Ernest D. Buff</u></p> <p>2 <u>Ernest D. Buff & Associates, LLC</u></p> <p>3 _____</p>
---	---

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 WAG ACQUISITION, L.L.C.	(B) RESIDENCE: (CITY and STATE OR COUNTRY) 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

<p>4a. The following fee(s) are submitted:</p> <p><input checked="" type="checkbox"/> Issue Fee</p> <p><input type="checkbox"/> Publication Fee (No small entity discount permitted)</p> <p><input type="checkbox"/> Advance Order - # of Copies _____</p>	<p>4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)</p> <p><input type="checkbox"/> A check is enclosed.</p> <p><input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.</p> <p><input checked="" type="checkbox"/> 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).</p>
--	---

5. **Change in Entity Status** (from status indicated above)

Applicant certifying micro entity status. See 37 CFR 1.29

Applicant asserting small entity status. See 37 CFR 1.27

Applicant changing to regular undiscounted fee status.

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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 /Ernest D. Buff/ Date June 30, 2017

Typed or printed name Ernest D. Buff Registration No. 25,833

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:	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:				
UTILITY APPL ISSUE FEE	2501	1	480	480

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

EXHIBIT 1003 - PAGE 00043

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.)
1	Issue Fee Payment (PTO-85B)	15283544_Issue_Fee.pdf	79446 ed620d7ec474b1a98d87fe54d676014a895d0f9c	no	1

Warnings:

Information:

2	Fee Worksheet (SB06)	fee-info.pdf	30821 6195315a939f4e4d97469e92a065e22d8a47a1f8	no	2
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Warnings:

Information:

Total Files Size (in bytes):	110267
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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

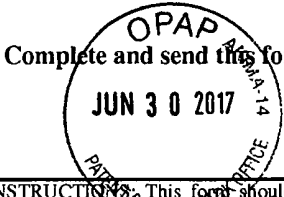
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition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

TM

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
or **Fax** (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 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)

25901 7590 06/20/2017
ERNEST D. BUFF
ERNEST D. BUFF AND ASSOCIATES, LLC.
231 SOMERVILLE ROAD
BEDMINSTER, NJ 07921

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.

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)

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

EXAMINER	ART UNIT	CLASS-SUBCLASS
MCLEOD, MARSHALL M	2454	709-219000

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(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
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1 Ernest D. Buff
2 Ernest D. Buff & Associates, LLC
3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)
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(A) NAME OF ASSIGNEE: **WAG ACQUISITION, L.L.C.**
(B) RESIDENCE: (CITY AND STATE OR COUNTRY) **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:
 Issue Fee
 Publication Fee (No small entity discount permitted)
 Advance Order - # of Copies _____
4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)
 A check is enclosed.
 Payment by credit card. Form PTO-2038 is attached.
 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 form).

5. Change in Entity Status (from status indicated above)
 Applicant certifying micro entity status. See 37 CFR 1.29
 Applicant asserting small entity status. See 37 CFR 1.27
 Applicant changing to regular undiscounted fee status.
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.
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.
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 /Ernest D. Buff/
Typed or printed name Ernest D. Buff

Date June 30, 2017
Registration No. 07/03/2017 WT555W 00007110 15283544
01 FC:2501 400.00 DA

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
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
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: 
Harold Edward Price

Title: Owner/Inventor/Applicant

Date: 6/26/2007

SCHEDULE A

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 CON 6B



NOTICE OF ALLOWANCE AND FEE(S) DUE

25901 7590 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

2454

DATE MAILED: 06/20/2017

Table with 5 columns: 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

Table with 7 columns: 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. PROSECUTION ON THE MERITS IS CLOSED. 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. THIS 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 fees.

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
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 or Fax (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.

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)
(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

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MCLEOD, MARSHALL M	2454	709-219000

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(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

<p>4a. The following fee(s) are submitted:</p> <p><input type="checkbox"/> Issue Fee</p> <p><input type="checkbox"/> Publication Fee (No small entity discount permitted)</p> <p><input type="checkbox"/> Advance Order - # of Copies _____</p>	<p>4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)</p> <p><input type="checkbox"/> A check is enclosed.</p> <p><input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.</p> <p><input type="checkbox"/> The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).</p>
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Applicant certifying micro entity status. See 37 CFR 1.29

Applicant asserting small entity status. See 37 CFR 1.27

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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 _____

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

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.
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ERNEST D. BUFF AND ASSOCIATES, LLC.
231 SOMERVILLE ROAD
BEDMINSTER, NJ 07921

EXAMINER

MCLEOD, MARSHALL M

ART UNIT PAPER NUMBER

2454

DATE MAILED: 06/20/2017

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.

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 disclosure of these records is required by the Freedom of Information Act.
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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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.

Notice of Allowability	Application No. 15/283,544	Applicant(s) PRICE, HAROLD EDWARD	
	Examiner MARSHALL MCLEOD	Art Unit 2454	AIA (First Inventor to File) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY 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.

1. This communication is responsive to 03/29/2017.
 A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
2. 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.
3. The allowed claim(s) is/are 1-12. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.
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 in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

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, 04/11/2017, 05/18/2017
3. Examiner's Comment Regarding Requirement for Deposit of Biological Material
4. Interview Summary (PTO-413),
Paper No./Mail Date _____.
5. Examiner's Amendment/Comment
6. Examiner's Statement of Reasons for Allowance
7. Other _____.

/Joseph E Avellino/
Supervisory Patent Examiner, 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

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	MCLEOD, MARSHALL M		
	Attorney Docket Number	0021-49 CON4B		

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

U.S.PATENTS						
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
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Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T ⁵
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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.	T ⁵

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1	IPR2015-01035 Decision Denying Institution, October 23, 2015.	<input type="checkbox"/>
2	IPR2015-01036 Decision Instituting, October 23, 2015.	<input type="checkbox"/>
3	IPR2015-01037 Decision Denying Institution, October 19, 2015.	<input type="checkbox"/>

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EXAMINER SIGNATURE

Examiner Signature	/MARSHALL M MCLEOD/	Date Considered	06/07/2017
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*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.

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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.
- The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
- 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)	2017-04-11
Name/Print	Ernest D. Buff	Registration Number	25,833

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U.S.PATENTS						
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	7187947		2007-03-06	White	

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U.S.PATENT APPLICATION PUBLICATIONS						
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
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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	<input type="checkbox"/>
2	DWIRE, Client/Server Computing, McGraw-Hill, Inc., 1993	<input type="checkbox"/>
3	IPR2016-01655 Decision Denying Institution, Feb. 27, 2017	<input type="checkbox"/>
4	IPR2016-01656 Decision Instituting, Feb. 27, 2017	<input type="checkbox"/>
5	IPR2016-01657 Decision Denying Institution, Feb. 27, 2017	<input type="checkbox"/>
6	IPR2016-01658 Decision Instituting, Feb. 27, 2017	<input type="checkbox"/>

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Substitute for form 1449/PTO			Complete if Known	
			Application Number	15/283,544
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Filing Date	October 3, 2016
			First Named Inventor	Harold E. Price
			Art Unit	2454
			Examiner Name	MCLEOD, MARSHALL M.
			Attorney Docket Number	0021-49-CON4B
Sheet	1	of	9	

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

Facsimile of SB/08.

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	
	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	
	13.	ARRL Amateur Radio; "5th Computer Networking Conference"; Mar. 9, 1986	
	14.	ARRL Amateur Radio; "6th Computer Networking Conference"; Aug. 29, 1987	
	15.	ARRL Amateur Radio; "7th Computer Networking Conference"; Oct. 1, 1988	
	16.	ARRL Amateur Radio; "8th Computer Networking Conference"; Oct. 7, 1989	
	17.	ARRL/CRRLL Amateur Radio; "9th Computer Networking Conference"; Sep. 22, 1990	
	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.	
	20.	Bing Zheng and Mohammed Atiquzzaman; "Traffic Management of Multimedia over ATM Networks"; Jan. 1999	
	21.	Bing, Zheng; Multimedia Over Highspeed; Networks: Reducing Network; Requirements With Fast Buffer; Fillup; ; 1998	
	22.	Bob Breedlove et al.; Web Programming Unleashed;	
	23.	Boll, Susanne et al.; Intelligent Prefetching and Buffering for Interactive Streaming of MPEG Videos, Ulmer Informatikberichte Nr. 2000-05; April 1, 2000	
	24.	Brett Atwood; "Video `Netcasting is Making Strides Online"; March 2, 1996	
	25.	"America Online Chooses VDOLive; Showcasing Internet Video and to be Available to All AOL Members" Bloomberg Law; March 13, 1997	
	26.	C. Zhu; "RTP Payload Format for H. 263 Video Stream," Standards Track, RFC2190; September 1997	
	27.	Chen, Zhigang et al.; Real Time Video and Audio in the World Wide Web, World Wide Web Journal; 1995	
	28.	Christophe Diot and Inria Sophia Antipolis; "Adaptive Applications and QoS Guaranties," Proc. of the International Conference on Multimedia and Networking; 1995	
	29.		

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				Attorney Docket Number	0021-49-CON4B
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			First Named Inventor	Harold E. Price
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*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.

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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.

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

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)	2016-11-20
Name/Print	Ernest D. Buff	Registration No.	25,833

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".cls. 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 09:21
L4	0	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

			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

			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

		and playback	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S22	0	stream\$3 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	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	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	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	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; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 06:40
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

			DERWENT; IBM_TDB			
S39	2	"20100235536"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 06:43
S40	0	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	0	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)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/25 06:59
S50	0	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;	OR	ON	2011/07/25 06:59

			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	0	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	0	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

		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	0	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

S105	53	("4963995" "5057932" "5164839" "5262875" "5440334" "5481543" "5710970" "5719786" "5734119" "5737536" "5809239" "5815662" "5910876" "5963202" "5978567" "5995705" "6047356" "6173340" "6233226" "6279040" "6321269" "6405256" "6449719" "6831892" "6850965" "7272298" "7334044").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/02/13 06:39
S107	317	("5978567" "6065050" "6233226" "6637031" "6831892" "7272298" "20020007418" "20020069218" "20030018978" "20040162910" "20050108320" "20050262251" "20070079327" "20070088804" "20080133701" "5613032" "5663951" "7689510" "7818444" "5910876" "5928330" "6029194" "6047317" "6085221" "6598228" "7373413" "20020029166" "20020120675" "20040086120" "20050251832" "20060143667" "20070005428" "5579239" "5867230" "6377995" "6925495" "7496676" "5440334" "5710970" "5719786" "5734119" "5737536" "5822537" "5923655" "6002720" "6014693" "6057832" "6173340" "6449719" "7334044" "20020023165" "20020083182" "20020177914" "20040131340" "20050190915" "5610841" "5668948" "5751951" "5778374" "5933603" "7113983" "7287083" "5793980" "5963202" "5995705" "6014706" "6047356" "6588015" "6708213" "20020147634" "20030068046" "20040078812" "20040186733" "20070226365" "5065396" "5361259" "5583859" "5751968" "5819160" "6032193" "7020710" "7212574" "5999525" "6061731" "6405256" "6594699" "6665751" "6850965" "6907481" "7111058" "7170856" "20030186645" "20040123725" "20060095472" "20070016865" "20070038728" "5821986" "5892915" "5996015" "7334016" "7471834" "7917557" "5164839" "5922048" "6014694" "6061732" "6279040" "6292834" "6321269" "6889257" "7054500" "20020078174" "20030061305" "20040231004" "20050203917" "20080059532" "5550982" "5805823" "5938734" "5974503" "5987510" "6151632" "6385596" "6625750" "6938047" "7039784" "7085842" "20010047377" "4963995" "5057932" "5262875" "6829368" "20050005025" "20080195743" "5493514" "5627936" "5956716" "7260564" "7318017" "7349663" "7478164" "7590656" "5481543" "5526353" "5809239"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/08/09 06:56

		"5815662" "6728753" "7346698" "20030014488" "20030093790" "20040260835" "20050080876" "20060153537" "20070233784" "20070274672" "5835495" "6173328" "6389473" "6990497" "7647297").PN.				
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	OR	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

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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 H04N7/17318 OR H04N7/17336 OR H04N21/23103 OR H04N21/2343 OR H04N21/2405 OR H04N21/26258 OR H04N21/2747 OR H04N21/4305 OR H04N21/4307 OR H04N21/4392 OR H04N21/4394 OR H04N21/47202 OR H04N21/6125 OR H04N21/6373 OR H04N21/6437 OR H04N21/84 OR H04N21/8455 OR H04N21/2181 OR H04N21/2225 OR H04N21/23116 OR H04N21/2312 OR H04N21/232 OR H04N21/2323 OR H04N21/2326 OR H04N21/23406 OR H04N21/23424 OR H04N21/234327 OR H04N21/234345 OR H04N21/234363 OR H04N21/2347 OR H04N21/2396 OR H04N21/2402 OR H04N21/2404 OR H04N21/25891 OR H04N21/2668 OR H04N21/4147 OR H04N21/4333 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 H04L65/608 OR H04L67/02 OR H04L65/607 OR H04L65/1083 OR H04L65/4015 OR H04L65/4076 OR H04L65/4092 OR H04L27/0012 OR H04L29/06027 OR H04L47/2416 OR H04L47/29 OR H04L47/522 OR H04L47/76 OR H04L47/805 OR H04L47/824 OR H04L65/1063 OR H04L65/1069 OR H04L65/403 OR H04L67/1002 OR H04L67/1008 OR H04L69/04 OR G06F15/16 OR G06F11/1471 OR G06F11/2023 OR G06F11/2035 OR G06F11/2046 OR G06F17/30038 OR G06F17/30053 OR G06F17/30194 OR G06F2206/1012 OR G06F3/0484 OR G06F3/061 OR G06F3/0638 OR G06F3/0683 OR G06F9/50 OR H04H20/10 OR H04H60/06).CPC.)				
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; USPAT	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" "20030186645" "20040078812" "20040086120" "20040123725" "20040131340" "20040162910" "20040186733" "20040231004" "20040260835" "20050005025" "20050080876" "20050108320" "20050188007" "20050190915" "20050203917" "20050251832" "20050262251" "20060095472" "20060136875" "20060143667" "20060153537" "20060174134" "20060195886" "20070005428" "20070016865" "20070038728" "20070079327" "20070088804" "20070226365" "20070233784" "20070274672" "20080059532" "20080133701" "20080195743" "4001690" "4027337" "4051530" "4606044" "4630196" "4729020" "4833535" "4839891" "4963995" "5025457" "5029164" "5057932" "5065396" "5126845" "5136655" "5154839" "5185795" "5202961" "5208810" "5237156" "5262875" "5319638" "5361259" "5428774" "5434678" "5434860" "5440334" "5446734" "5457687" "5463422" "5481543" "5491565" "5491801" "5493514" "5497404" "5515511" "5517672" "5521630" "5526353" "5533021" "5541852"	US-PGPUB; USPAT	OR	OFF	2016/11/21 17:31

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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

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S136	4	("5414455").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/12/26 18:20
S137	4	("5822524").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/12/26 18:21
S138	13	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
S139	13	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
S140	163	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	2016/12/26 18:23
S141	72	S140 AND ((H04L12/2809 OR H04L12/281 OR H04L12/2816 OR H04L12/282 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 H04L63/10 OR H04L9/0844 OR H04L9/302 OR H04L9/3271 OR H04L2209/601 OR H04L2209/603 OR H04L2209/605 OR H04L2209/80 OR H04L2463/101 OR H04L2463/103 OR H04L63/0428 OR H04L63/06 OR H04L63/0853 OR H04L63/166 OR H04L65/4076 OR H04L65/60 OR H04L65/605 OR H04L65/608 OR H04L67/16 OR H04L67/20 OR H04L9/00 OR H04L9/3234 OR H04L12/14 OR H04L12/2602 OR H04L12/66 OR H04L29/06 OR H04L29/06027 OR H04L41/50 OR H04L43/00 OR H04L43/106 OR H04L43/16 OR	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/12/26 18:23

		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.)				
S142	33	"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	2016/12/26 18:24
S143	27	S142 AND ((H04L67/104 OR H04L65/4084 OR H04L67/06 OR H04L67/10 OR H04L67/108 OR H04L65/403 OR H04L67/1078 OR H04L65/60 OR H04L67/1063 OR H04L67/322 OR H04L67/327 OR H04L67/34 OR H04L67/42 OR H04L12/2697 OR H04L41/12 OR H04L43/50 OR H04L67/02 OR H04L67/04 OR H04L67/1046 OR H04L67/12 OR H04L67/2842 OR H04L67/2852 OR H04L67/325 OR H04L69/329 OR H04L2209/60 OR H04L2209/80 OR H04L29/06285 OR H04L29/06489 OR H04L29/06523 OR H04L47/10 OR H04L47/34 OR H04L61/609 OR H04L63/062 OR H04L63/0823 OR H04L63/083 OR H04L63/101 OR H04L65/103 OR H04L65/104 OR H04L65/1069 OR H04L65/608 OR H04L67/1002 OR H04L67/1008 OR H04L67/101 OR H04L67/1053 OR H04L67/1072 OR H04L67/1085 OR H04L67/125 OR H04L67/18 OR H04L67/2804 OR H04L67/2814 OR H04L67/32 OR H04L69/08 OR H04L69/14 OR H04L69/22 OR H04L9/083 OR H04L9/3247 OR H04L9/3263 OR G06F17/30053 OR G06F17/30038 OR G06F17/30864 OR G06F17/30752 OR G06F17/30772 OR G06F17/30867 OR G06F17/30902 OR G06F21/00 OR G06F21/10 OR G06F21/35 OR G06F2221/2103 OR G06F2221/2107 OR G06F2221/2111 OR G06F2221/2115 OR G06F2221/2119 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 18:24
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

		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

			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

IPR2022-01227

EXHIBIT 1003 - PAGE 00093

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

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.
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.
Jun Su, "Continuous Media Support for Multimedia Databases," (1999) Master of Science thesis from Queen's University, D Kingston, Ontario, Canada.
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).
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).
F.Kozamernik, "Webcasting-the broadcasters' perspective," (Mar. 1, 2000) EBU TECHNICAL REVIEW: No. 282.
Nathaniel Polish, "The Burstware Family of Protocols."
Susanne Boll et al., "Intelligent Prefetching and Buffering for Interactive Streaming of MPEG Videos," (Apr. 1, 2000) Ulmer Informatikberichte Nr. 2000-05, Germany.

Application No.: 15/283,544

3

Docket No.: 0021-49 CON4B

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 Theater™ 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,

By 

Ernest D. Buff
Registration No.: 25,833

Ernest D. Buff & Associates, LLC.
231 Somerville Road
Bedminster, NJ 07921
(908) 901-0220

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	MCLEOD, MARSHALL M		
	Attorney Docket Number	0021-49 CON4B		

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

U.S.PATENTS						
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	A	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.	
	8	5874986	A	1999-02-23	Gibbon et al.	

**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	MCLEOD, MARSHALL M
Attorney Docket Number	0021-49 CON4B

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

9	5721815	A	1998-02-24	Ottesen	
10	5761417	A	1998-06-02	Henley	
11	5918002	A	1999-06-29	Klemets	
12	6032180	A	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	

If you wish to add additional U.S. Patent citation information please click the Add button.

U.S.PATENT APPLICATION PUBLICATIONS

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	MCLEOD, MARSHALL M
	Attorney Docket Number	0021-49 CON4B

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

Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	20040049793	A1	2004-03-11	Philip A. Chou	
	2	20020052967	A1	2002-05-02	Goldhor et al.	
	3	20070005795	A1	2007-01-04	Ruben Gonzalez	

If you wish to add additional U.S. Published Application citation information please click the Add button.

FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1	820204	EP	A2	1998-01-21	Jaisingh/AT& T Corp.		<input type="checkbox"/>
	2	1998044733	WO	A1	1998-10-08	OGDON, Robert H.		<input type="checkbox"/>

If you wish to add additional Foreign Patent Document citation information please click the Add button

NON-PATENT LITERATURE DOCUMENTS

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.	T ⁵
	1	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.	<input type="checkbox"/>

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	15283544
	Filing Date	2016-10-03
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	Examiner Name	MCLEOD, MARSHALL M
	Attorney Docket Number	0021-49 CON4B

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

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.	<input type="checkbox"/>
3	Jun Su, "Continuous Media Support for Multimedia Databases," (1999) Master of Science thesis from Queen's University, D Kingston, Ontario, Canada.	<input type="checkbox"/>
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).	<input type="checkbox"/>
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).	<input type="checkbox"/>
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).	<input type="checkbox"/>
7	F.Kozamernik, "Webcasting-the broadcasters' perspective," (Mar. 1, 2000) EBU TECHNICAL REVIEW: No. 282.	<input type="checkbox"/>
8	Nathaniel Polish, "The Burstware Family of Protocols."	<input type="checkbox"/>
9	Susanne Boll et al., "Intelligent Prefetching and Buffering for Interactive Streaming of MPEG Videos," (Apr. 1, 2000) Ulmer Informatikberichte Nr. 2000-05, Germany.	<input type="checkbox"/>
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)	<input type="checkbox"/>
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).	<input type="checkbox"/>
12	Microsoft Windows Media Player version 6.1, September 29, 1997.	<input type="checkbox"/>

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	15283544
	Filing Date	2016-10-03
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	Examiner Name	MCLEOD, MARSHALL M
	Attorney Docket Number	0021-49 CON4B

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

13	Microsoft Windows Media Player version 6.4, April 29, 1999.	<input type="checkbox"/>
14	Microsoft Windows Media Player version 7.0, July 17, 2000.	<input type="checkbox"/>
15	Microsoft Windows Media Server version 4.1, 2000.	<input type="checkbox"/>
16	"The VXtreme Web Theater™ system, including the Web Theater Server, Web Theater Client, Web Theater Producer, and VXtreme Video Codec V2," 1997.	<input type="checkbox"/>
17	IPR2015-01033 Decision Denying Institution, 10/19/2015.	<input type="checkbox"/>
18	IPR2015-01033 Decision Denying Rehearing, 12/28/2016.	<input type="checkbox"/>
19	IPR2015-01036 Final Written Decision, 10/20/2016.	<input type="checkbox"/>
20	IPR2015-01037 Decision Denying Rehearing, 12/28/2016.	<input type="checkbox"/>
21	IPR2016-01161 Decision Denying Institution, 12/12/2016.	<input type="checkbox"/>
22	IPR2016-01162 Decision Denying Institution, 12/12/2016.	<input type="checkbox"/>
23	IPR2016-01238 Decision Instituting, 1/4/2017.	<input type="checkbox"/>

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	MCLEOD, MARSHALL M
	Attorney Docket Number	0021-49 CON4B

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

24	IPR2016-01239 Decision Instituting, 12/27/2016.	<input type="checkbox"/>
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EXAMINER SIGNATURE

Examiner Signature	/MARSHALL M MCLEOD/	Date Considered	06/07/2017
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*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	Harold Edward Price
Art Unit	2454
Examiner Name	MCLEOD, MARSHALL M
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.
- The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
- 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)	2017-02-21
Name/Print	Ernest D. Buff	Registration Number	25,833

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 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.
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.

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

Substitute for form 1449/PTO			Complete if Known	
			Application Number	15/283,544
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Filing Date	October 3, 2016
			First Named Inventor	Harold E. Price
			Art Unit	2454
			Examiner Name	MCLEOD, MARSHALL M.
			Attorney Docket Number	0021-49-CON4B
Sheet	1	of	9	

Facsimile of SB/08.

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	
	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	
	13.	ARRL Amateur Radio; "5th Computer Networking Conference"; Mar. 9, 1986	
	14.	ARRL Amateur Radio; "6th Computer Networking Conference"; Aug. 29, 1987	
	15.	ARRL Amateur Radio; "7th Computer Networking Conference"; Oct. 1, 1988	
	16.	ARRL Amateur Radio; "8th Computer Networking Conference"; Oct. 7, 1989	
	17.	ARRL/CRRLL Amateur Radio; "9th Computer Networking Conference"; Sep. 22, 1990	
	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.	
	20.	Bing Zheng and Mohammed Atiquzzaman; "Traffic Management of Multimedia over ATM Networks"; Jan. 1999	
	21.	Bing, Zheng; Multimedia Over Highspeed; Networks: Reducing Network; Requirements With Fast Buffer; Fillup; ; 1998	
	22.	Bob Breedlove et al.; Web Programming Unleashed;	
	23.	Boll, Susanne et al.; Intelligent Prefetching and Buffering for Interactive Streaming of MPEG Videos, Ulmer Informatikberichte Nr. 2000-05; April 1, 2000	
	24.	Brett Atwood; "Video `Netcasting is Making Strides Online"; March 2, 1996	
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				Art Unit	2454
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*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.

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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.

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

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)	
Name/Print	Ernest D. Buff	Registration No.	25,833

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

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	Examiner MARSHALL MCLEOD	Art Unit 2454

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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

CPC COMBINATION SETS - SEARCHED		
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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INTERFERENCE SEARCH

US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner
H04L65	80	6/7/2017	MM
H04L65	4076	6/7/2017	MM
H04L49	90	6/7/2017	MM
H04L49	901	6/7/2017	MM
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709	204	6/7/2017	MM
709	217	6/7/2017	MM
709	219	6/7/2017	MM
709	223	6/7/2017	MM

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

✓	Rejected
=	Allowed

-	Cancelled
÷	Restricted

N	Non-Elected
I	Interference

A	Appeal
O	Objected

Claims renumbered in the same order as presented by applicant

 CPA

 T.D.

 R.1.47

CLAIM		DATE							
Final	Original	12/23/2016	06/06/2017						
1	1	✓	=						
2	2	✓	=						
3	3	✓	=						
4	4	✓	=						
5	5	✓	=						
6	6	✓	=						
7	7	✓	=						
8	8	✓	=						
9	9	✓	=						
10	10	✓	=						
11	11	✓	=						
12	12	✓	=						

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		

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U.S.PATENTS						
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					

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U.S.PATENT APPLICATION PUBLICATIONS						
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

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Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1							<input type="checkbox"/>

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NON-PATENT LITERATURE DOCUMENTS			
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.	T ⁵

**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

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4	icecast, README, July 1999	<input type="checkbox"/>
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6	icecast, icecast.conf, July 1999	<input type="checkbox"/>
7	icecast, source.c, July 1999	<input type="checkbox"/>
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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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17	icecast, sock.h, July 1999	<input type="checkbox"/>
18	shout.c, July 1999	<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature	/MARSHALL M MCLEOD/	Date Considered	06/07/2017
--------------------	---------------------	-----------------	------------

*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
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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		

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.
- The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
- 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)	2017-05-18
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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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.
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.

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

CPC						
Symbol					Type	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
H04N	21			23805	I	2013-01-01
H04N	21			2407	I	2013-01-01
H04N	21			44004	I	2013-01-01
H04N	21			6125	I	2013-01-01
H04N	21			64776	I	2013-01-01
H04L	29			06455	I	2013-01-01
H04L	65			4084	I	2013-01-01
H04L	65			80	I	2013-01-01
H04L	69			16	I	2013-01-01

CPC Combination Sets				
Symbol	Type	Set	Ranking	Version

/MARSHALL MCLEOD/ Examiner.Art Unit 2454 (Assistant Examiner)	(Date)	Total Claims Allowed: 12	
/JOSEPH E AVELLINO/ Supervisory Patent Examiner.Art Unit 2454 (Primary Examiner)	06/12/2017 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 3

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

<input checked="" type="checkbox"/> Claims renumbered in the same order as presented by applicant																<input type="checkbox"/> CPA		<input type="checkbox"/> T.D.		<input type="checkbox"/> R.1.47	
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original						
1	1																				
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/MARSHALL MCLEOD/ Examiner.Art Unit 2454 (Assistant Examiner)	(Date)	Total Claims Allowed: 12	
/JOSEPH E AVELLINO/ Supervisory Patent Examiner.Art Unit 2454 (Primary Examiner)	06/12/2017 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 3

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

U.S.PATENTS							Remove
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						

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Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² i	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T ⁵
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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.		T ⁵

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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	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.

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First Named Inventor	Harold Edward Price	
Art Unit	2454	
Examiner Name	MARSHALL M. MCLEOD	
Attorney Docket Number	0021-49-CON4B	

12	Christopher Yavelow, "Music & Sound Bible," IDG Books Worldwide, Inc.; July 1992; ISBN-10: 1878058185.
13	Nathaniel Polish, "The Burstware Family of Protocols," January 1996.
14	IPR2015-01035 Decision Denying Rehearing; 4/4/2017.
15	IPR2017-00784 Decision Instituting; 3/31/2017.
16	IPR2017-00785 Decision Instituting; 4/13/2017.
17	IPR2017-00786 Decision Granting Joinder; 6/5/2017.
18	IPR2017-00820 Decision Granting Joinder; 6/5/2017.

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature	<input type="text"/>	Date Considered	<input type="text"/>
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*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.

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- A certification statement is not submitted herewith.

SIGNATURE

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

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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/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:	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

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

37 CFR 1.17 (Patent application and reexamination processing fees)

IPR2022-01227

EXHIBIT 1003 - PAGE 00133

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.)
1	Information Disclosure Statement (IDS) Form (SB08)	15-283544_IDS_06-15-17.PDF	1036174 de733b73446e65bee633b459830751e2648c1b3a	no	5

Warnings:

Information:

A U.S. Patent Number Citation or a U.S. Publication Number Citation is required in the Information Disclosure Statement (IDS) form for autoloading of data into USPTO systems. You may remove the form to add the required data in order to correct the Informational Message if you are citing U.S. References. If you chose not to include U.S. References, the image of the form will be processed and be made available within the Image File Wrapper (IFW) system. However, no data will be extracted from this form. Any additional data such as Foreign Patent Documents or Non Patent Literature will be manually reviewed and keyed into USPTO systems.

2	Other Reference-Patent/App/Search documents	IPR2015-01035_Decision_Denying_Rehearing.pdf	3270638 c020214788fac9ab88a999e81cf75e29cf6982a9	no	10
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Warnings:

Information:

3	Other Reference-Patent/App/Search documents	IPR2017-00784_Decision_Instituting.pdf	2670494 aaa7f82e144378b999a9a8ed2dc0dff02f5faa15d	no	9
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Warnings:

Information:

4	Other Reference-Patent/App/Search documents	IPR2017-00785_Decision_Instituting.pdf	2824116 5dd5013d8bac6057cda896b84ce1ee62f8d158f5	no	11
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Warnings:

Information:

5	Other Reference-Patent/App/Search documents	IPR2017-00786_Decision_Grantsing_Joinder.pdf	3798988 40e4ad25277b367858e7f0b0c5f6c221385e06be	no	14
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Warnings:

Information:

6	Other Reference-Patent/App/Search documents	IPR2017-00820_Decision_Granteeing_Joinder.pdf	3877185	no	14
			f63e77b22ddf3a17b76cd5ddf68450aeeefeea49		

Warnings:

Information:

7	Other Reference-Patent/App/Search documents	MacPacSat_ReadMe.pdf	1339271	no	5
			5d0f9173f6403e0a53d99d3e3456b38839730b89		

Warnings:

Information:

8	Fee Worksheet (SB06)	fee-info.pdf	30597	no	2
			48d602f664f87bdb094f5902079b467d4f16ee86		

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Total Files Size (in bytes):			18847463		
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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.

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

U.S.PATENTS							Remove
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						

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS							Remove
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If you wish to add additional U.S. Published Application citation information please click the Add button. Add

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	1							

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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.					T ⁵

**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

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	Harold Edward Price	
Art Unit		2454
Examiner Name	MARSHALL M. MCLEOD	
Attorney Docket Number		0021-49-CON4B

12	Christopher Yavelow, "Music & Sound Bible," IDG Books Worldwide, Inc.; July 1992; ISBN-10: 1878058185.
13	Nathaniel Polish, "The Burstware Family of Protocols," January 1996.
14	IPR2015-01035 Decision Denying Rehearing; 4/4/2017.
15	IPR2017-00784 Decision Instituting; 3/31/2017.
16	IPR2017-00785 Decision Instituting; 4/13/2017.
17	IPR2017-00786 Decision Granting Joinder; 6/5/2017.
18	IPR2017-00820 Decision Granting Joinder; 6/5/2017.

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature	<input type="text"/>	Date Considered	<input type="text"/>
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*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	Harold Edward Price
	Art Unit	2454
	Examiner Name	MARSHALL 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.

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

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.
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.

Electronic Acknowledgement 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:

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	Information Disclosure Statement (IDS) Form (SB08)	15-283544_IDS_06-15-17.PDF	1036128 <small>0971dab32ce074bfb95e6964fa118bb17e0dda18</small>	no	5

Warnings:

IPR2022-01227

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

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New International Application Filed with the USPTO as a Receiving Office

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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	

U.S.PATENTS						
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					

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Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
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Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1							<input type="checkbox"/>

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NON-PATENT LITERATURE DOCUMENTS			
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.	T ⁵

**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

1	icecast, AUTHORS, July 1999	<input type="checkbox"/>
2	icecast, FAQ, July 1999	<input type="checkbox"/>
3	icecast, How to Configure, July 1999	<input type="checkbox"/>
4	icecast, README, July 1999	<input type="checkbox"/>
5	icecast, Welcome to Icecast Web Admin Interface, July 1999	<input type="checkbox"/>
6	icecast, icecast.conf, July 1999	<input type="checkbox"/>
7	icecast, source.c, July 1999	<input type="checkbox"/>
8	icecast, connection.c, July 1999	<input type="checkbox"/>
9	icecast, sock.c, July 1999	<input type="checkbox"/>
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11	icecast, relay.c, July 1999	<input type="checkbox"/>

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

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13	icecast, icetypes.h, July 1999	<input type="checkbox"/>
14	icecast, client.c, July 1999	<input type="checkbox"/>
15	icecast, ice_string.c, July 1999	<input type="checkbox"/>
16	icecast, icecast.h, July 1999	<input type="checkbox"/>
17	icecast, sock.h, July 1999	<input type="checkbox"/>
18	shout.c, July 1999	<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*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	Harold Edward Price
Art Unit	2454
Examiner Name	Marshall 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.
- The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
- 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)	2017-05-18
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

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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 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.
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.

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:				
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:	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)

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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement (IDS) Form (SB08)	0021-49-CON4B-518-IDS.pdf	67275 <small>36611a5fc350022b968f3c66a6e9738ac394da5a</small>	no	5

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New Applications Under 35 U.S.C. 111

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

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New International Application Filed with the USPTO as a Receiving Office

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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:	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:	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
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Application Type:	Utility under 35 USC 111(a)

Payment information:

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Payment Type	DA
Payment was successfully received in RAM	\$90
RAM confirmation Number	051917INTEFSW00001563061448
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)

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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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Substitute for form 1449/PTO			Complete if Known	
			Application Number	15/283,544
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Filing Date	October 3, 2016
			First Named Inventor	Harold E. Price
			Art Unit	2454
			Examiner Name	MCLEOD, MARSHALL M.
			Attorney Docket Number	0021-49-CON4B
Sheet	1	of	9	

Facsimile of SB/08.

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
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				First Named Inventor	Harold E. Price
				Art Unit	2454
				Examiner Name	MCLEOD, MARSHALL M.
				Attorney Docket Number	0021-49-CON4B
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				Application Number	15/283,544
				Filing Date	October 3, 2016
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				Art Unit	2454
				Examiner Name	MCLEOD, MARSHALL M.
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				Application Number	15/283,544	
				Filing Date	October 3, 2016	
				First Named Inventor	Harold E. Price	
				Art Unit	2454	
				Examiner Name	MCLEOD, MARSHALL M.	
Sheet	4	of	9	Attorney Docket Number	0021-49-CON4B	

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				Attorney Docket Number	0021-49-CON4B
Sheet	5	of	9		

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			Application Number	15/283,544
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			First Named Inventor	Harold E. Price
			Art Unit	2454
			Examiner Name	MCLEOD, MARSHALL M.
			Attorney Docket Number	0021-49-CON4B
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			Art Unit	2454	
			Examiner Name	MCLEOD, MARSHALL M.	
Sheet	9	of	9	Attorney Docket Number	0021-49-CON4B

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

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	Filing Date	2016-10-03
	First Named Inventor	Harold Edward Price
	Art Unit	2454
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1	IPR2015-01035 Decision Denying Institution, October 23, 2015.	<input type="checkbox"/>
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Application Number	15283544
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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:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
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
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:	10:15:45
Application Type:	Utility under 35 USC 111(a)

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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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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.

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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.

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:	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

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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
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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.

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	

U.S.PATENTS						
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	7187947		2007-03-06	White	

If you wish to add additional U.S. Patent citation information please click the Add button.

U.S.PATENT APPLICATION PUBLICATIONS						
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button.

FOREIGN PATENT DOCUMENTS								
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1							<input type="checkbox"/>

If you wish to add additional Foreign Patent Document citation information please click the Add button

NON-PATENT LITERATURE DOCUMENTS			
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.	T ⁵

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

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	<input type="checkbox"/>
2	DWIRE, Client/Server Computing, McGraw-Hill, Inc., 1993	<input type="checkbox"/>
3	IPR2016-01655 Decision Denying Institution, Feb. 27, 2017	<input type="checkbox"/>
4	IPR2016-01656 Decision Instituting, Feb. 27, 2017	<input type="checkbox"/>
5	IPR2016-01657 Decision Denying Institution, Feb. 27, 2017	<input type="checkbox"/>
6	IPR2016-01658 Decision Instituting, Feb. 27, 2017	<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature		Date Considered	
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*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	Harold Edward Price
	Art Unit	2454
	Examiner Name	Marshall 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.
- The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
- 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)	2017-04-06
Name/Print	Ernest D. Buff	Registration Number	25,833

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 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.
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.

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:				
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:	28856898
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)

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	Information Disclosure Statement (IDS) Form (SB08)	0021-49CON4B-IDS.pdf	64800 <small>9c7cca3d99ab74d42ecce6cd8a54ff26689c26f6d</small>	no	4

Warnings:

IPR2022-01227

Information:					
This is not an USPTO supplied IDS fillable form					
2	Non Patent Literature	Shae-at-al.pdf	3881654 b9996211f4f4c23cabea9e66db08b55ac917f28d	no	11
Warnings:					
Information:					
3	Non Patent Literature	IPR2016-01655DecisionDenyingInstitution.pdf	157706 ca32614e71b9b9d98b49701e1e78015c39106427	no	15
Warnings:					
Information:					
4	Non Patent Literature	IPR2016-01656-Decision-Instituting.pdf	211952 c66d9f2f60b25e70b8d89567ab72af4d7008d2ab	no	27
Warnings:					
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5	Non Patent Literature	IPR2016-01657-Decision-Denying-Institution.pdf	670643 49f9c2f5b0cbc2dd3212e7f3eae484d2ff3169a7	no	23
Warnings:					
Information:					
6	Non Patent Literature	IPR2016-01658-Decision-Instituting.pdf	566834 299d74c2f04230a2aa0edfeec6d04635c6b1f4c9	no	24
Warnings:					
Information:					
7	Fee Worksheet (SB06)	fee-info.pdf	30477 82e9a639b3935d5897fb97186564ec76be8a5cfd	no	2
Warnings:					
Information:					
Total Files Size (in bytes):				5584066	

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.

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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:	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

EXHIBIT 1003 - PAGE 00200