

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 99/03028

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	GAUCH S ET AL: "The vision digital video library" INFORMATION PROCESSING & MANAGEMENT (INCORPORATING INFORMATION TECHNOLOGY), vol. 33, no. 4, 1 July 1997, page 413-426 XP004087986 see the whole document	1,3,5-8, 11-14, 16-32, 34,35,37
A	TANIGUCHI Y ET AL: "AN INTUITIVE AND EFFICIENT ACCESS INTERFACE TO REAL-TIME INCOMING VIDEO BASED ON AUTOMATIC INDEXING" PROCEEDINGS OF ACM MULTIMEDIA '95, SAN FRANCISCO, NOV. 5 - 9, 1995, 5 November 1995, pages 25-33, XP000599026 ASSOCIATION FOR COMPUTING MACHINERY see page 26, right-hand column, line 14 - page 29, left-hand column, line 31	1,25,28
A	EP 0 805 405 A (TEXAS INSTRUMENTS INC) 5 November 1997 see abstract see page 6, line 9 - line 11	1,2,25, 28,29

1

Form PCT/ISA/210 (continuation of second sheet) (July 1992)

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/US 99/03028

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0805405 A	05-11-1997	JP 10084525 A	31-03-1998

Form PCT/ISA/210 (patent family annex) (July 1992)

Electronic Acknowledgement Receipt

EFS ID:	26327803
Application Number:	15192598
International Application Number:	
Confirmation Number:	1328
Title of Invention:	SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM CONTENT ON TV SERVICES PLATFORM OF A DIGITAL TV SERVICES PROVIDER
First Named Inventor/Applicant Name:	Milton Diaz Perez
Customer Number:	1912
Filer:	Tzvi Hirshaut/Victoria Gilmore
Filer Authorized By:	Tzvi Hirshaut
Attorney Docket Number:	BBiTV-CIP1-D9 (07612/58)
Receipt Date:	12-JUL-2016
Filing Date:	24-JUN-2016
Time Stamp:	16:28:50
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)	26-IDS_24.pdf	1035416 <small>ad19333fa511e7b8c25a3c220c6be47dc9ba1cc0</small>	no	4

Warnings:

Information:					
2	Non Patent Literature	27-NPL- EPO_Comm_087267936.pdf	148723	no	5
			bc25e93ce251cdf86e1632d964356181a6116d8e		
Warnings:					
Information:					
3	Non Patent Literature	28-NPL-EPO_Comm_08768802.pdf	259547	no	6
			c279a5c21a03f0eee056ed1881bfc7a4a820c02		
Warnings:					
Information:					
4	Information Disclosure Statement (IDS) Form (SB08)	29-IDS_25.pdf	1035623	no	4
			ae068bb375a27f4b1d31a90f27e0789802be7bc		
Warnings:					
Information:					
5	Foreign Reference	30-FOREIGN-WO9910822-EFS.pdf	24047940	no	409
			61b30c67280faf897578501fd6fc3c0ca6b8106a		
Warnings:					
Information:					
6	Foreign Reference	31-FOREIGN-WO9941684-EFS.pdf	3487397	no	40
			09f11d2e5733b4487e7668bdc974b7c5fe4092cf		
Warnings:					
Information:					
7	Non Patent Literature	32-NPL-VDO_Expands-EFS.pdf	77295	no	3
			a799790a61030619a843e5698fe907ce6b2457d5		
Warnings:					
Information:					
8	Non Patent Literature	33-NPL- Alvear_Web_Developer-EFS.pdf	22677223	no	46
			9b81a1b83471f268dfd3fda494fa7b7cfd9d9b438		
Warnings:					
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9	Non Patent Literature	34-NPL-Business_Wire_Ivex- EFS.pdf	347515	no	2
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Total Files Size (in bytes):			53116679		
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	15192598
	Filing Date	2016-06-24
	First Named Inventor	Milton Diaz Perez
	Art Unit	2422
	Examiner Name	
	Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

U.S.PATENTS	<input type="button" value="Remove"/>
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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	7120925		2006-10-10	D'Souza et al.	
	2	7222163		2007-05-22	Girouard et al.	
	3	7337462		2008-02-26	Dudkiewicz et al.	
	4	6177931		2001-01-01	Alexander et al.	
	5	6754904		2004-06-01	Cooper et al.	
	6	6774926		2004-08-01	Ellis et al.	

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First Named Inventor	Milton Diaz Perez	
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Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)	

1	20040073919		2004-04-15	Gutta et al.
2	20040268413		2004-12-30	Reid et al.
3	20050210524		2005-09-22	Dolph
4	20050229209		2005-10-13	Hildebolt et al.
5	20050246752		2005-11-03	Liweraant et al.
6	20020083451		2002-06-27	Gill et al.
7	20020087661		2002-07-04	Matichuk et al.
8	20080141325		2008-06-01	Ludvig et al.

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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
	1	THE INDUSTRY STANDARD, "Web Entertainment Gets Personal", Jan 10, 2000, www.thestandard.com	
	2	AFFIDAVIT OF MILTON DIAZ PEREZ UNDER C.F.R. 132, 03-09-2009, submitted in U.S. Patent Application 10/909,192, filed 07-03-2004	
	3	Affidavit of Milton Diaz Perez, Ex. A, WIKIPEDIA, "Cable Television in the United States", history, last modified 01/17/2009, pp. 1-7, http://en.wikipedia.org/wiki/Cable_Television_in_the_United_States	
	4	Affidavit of Milton Diaz Perez, Ex. B, WIKIPEDIA, "Internet Television", history, last modified 02/05/2009, pp. 1-4, http://en.wikipedia.org/wiki/Internet_TV	
	5	Affidavit of Milton Diaz Perez, Ex. C, WIKIPEDIA, "Content Delivery Network", history, last modified 02/10/2009, pp. 1-6, http://en.wikipedia.org/wiki/Content_Delivery_Network	
	6	Affidavit of Milton Diaz Perez, Ex. D, WIKIPEDIA, "Walled Garden (technology)", history, last modified 02/03/2009, pp. 1-2, http://en.wikipedia.org/wiki/Walled_Garden_(technology)	
	7	Affidavit of Milton Diaz Perez, Ex. E, WIKIPEDIA, "User-generated TV", history, last modified 02/10/2009, pp. 1-2, http://en.wikipedia.org/wiki/User-generated_TV	
	8	Affidavit of Milton Diaz Perez, Ex. E1, WIKIPEDIA, "ZeD", history, last modified 01/05/2009, pp. 1-7, http://en.wikipedia.org/wiki/ZeD	
	9	Affidavit of Milton Diaz Perez, Ex. E2, WIKIPEDIA, "Current TV", history, last modified 02/05/2009, pp. 1-5, http://en.wikipedia.org/wiki/Current_TV	

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Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)	

	10	Affidavit of Milton Diaz Perez, Ex. E3, OUTLOUD.TV, tripatlas, circa 2003, http://tripatlas.com/Outloud.tv	
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Examiner Name			
Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)		

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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	/Charles R. Macedo/	Date (YYYY-MM-DD)	2016-07-12
Name/Print	Charles R. Macedo	Registration Number	32781

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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	5826102		1998-10-20	Escobar	
	2	6564380		2003-05-13	Murphy	
	3	6738978		2004-05-18	Hendricks	
	4	6357042		2002-03-13	Srinivasan	
	5	6237146		2001-05-22	Richards	
	6	6049823		2000-04-11	Hwang	
	7	5914746		1999-06-22	Matthews	
	8	5867821		1999-02-02	Ballantyne	

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9	5859898		1999-01-12	Checco
10	5790176		1998-08-04	Craig

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	1	20020083451		2002-06-27	Gill	
	2	20020087661		2002-07-04	Matichuk et al.	
	3	20010033736		2001-10-25	Yap	
	4	20020059621		2002-05-06	Thomas et al.	
	5	20020138844		2002-09-26	Otenasek	
	6	20030154128		2003-08-14	Liga	
	7	20030167449		2003-09-04	Warren	

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Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)	

8	20030204856		2003-10-30	Buxton
9	20030226150		2003-12-04	Berberet
10	20040015998		2004-01-22	Bokor
11	20040078825		2004-04-22	Murphy
12	20020078456		2002-06-20	Hudson
13	20030234819		2003-12-25	Daly
14	20030191816		2003-10-09	Landress
15	20040133918		2004-07-08	Danker
16	20040268250		2004-12-30	Danker
17	20050044577		2005-02-24	Jerding
18	20050050218		2005-03-03	Sheldon

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19	20050081237		2005-04-14	Chen
20	20050097623		2005-05-05	Tecot
21	20050154679		2005-07-14	Bielak
22	20050193015		2005-09-01	Logston
23	20050239546		2005-10-27	Hedrick
24	20060029093		2006-02-09	Van Rossum
25	20060123455		2006-06-08	Pai

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Name/Print	Charles R. Macedo	Registration Number	32781

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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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	Filing Date	2016-06-24
	First Named Inventor	Milton Diaz Perez
	Art Unit	2422
	Examiner Name	
	Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

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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	
	1	20020092019		2002-07-11	Marcus Dwight		
	2	20050160458		2005-07-21	Baumgartner		

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	1	WO01038960	IE		2001-05-31	Future TV		
	2	WO01022688	WO		2001-03-29	Streaming 21		

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3	JP Publ 11-150692	JP	1999-06-02	Sony
4	JP Publ 03-116121	JP	2003-04-18	Matsushita
5	JP Publ 07-284035	JP	1995-10-27	Toshiba

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	1	International Search Report, dated 03/06/2006, in PCT International Application US2005/027376, of Broadband iTV, Inc.	
	2	International Search Report, dated 09/15/2009, in PCT International Application US2008/003341, of Broadband iTV, Inc.	
	3	International Search Report, dated 11/28/2008, in PCT International Application US2008/007980, of Broadband iTV, Inc.	

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Name/Print	Charles R. Macedo	Registration Number	32781

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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	6269275		2001-07-31	Slade	
	2	7103906		2006-09-05	Katz et al.	
	3	7065709		2006-06-20	Ellis	
	4	7225455		2007-05-25	Bennington et al.	
	5	7493643		2009-02-17	Ellis	
	6	8112776		2012-02-07	Schein et al.	
	7	5991801		1999-11-23	Rebec et al.	
	8	5594936		1997-01-14	Rebec et al.	

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9	8340994		2012-12-25	Tota et al.
10	8090605		2012-01-03	Tota et al.
11	7308413		2007-12-11	Tota et al.
12	5550735		1996-08-27	Slade et al.
13	6317885		2001-11-13	Fries

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	1	9406084	WO	A1	1994-03-17	Datavision		

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2	9950778	WO	A1	1999-10-07	Slade	
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	1	VOD Metadata - Project Primer, Overview of VOD Content Specification 1.0, 1.1, and 2.0, published by Cable Labs, circa 2002-2007, http://www.cablelabs.com/projects/metadata/primer	
	2	VOD Capsule, issue dated April 11, 2006, includes article "Bresnan Taps CMC for VOD", published by Communications, Engineering & Design Magazine, http://www.cedmagazine.com/newsletter.aspx?id=67468	
	3	Comcast Media Center, Content Gateway, Content Distribution website, circa 2010, http://www.comcastmediacenter.com/content-gateway	

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	1	7444402		2008-10-00	Rennels	
	2	7386512		2008-06-10	Allibhoy et al.	
	3	7426558		2008-09-16	Allibhoy et al.	
	4	7606883		2009-10-20	Allibhoy et al.	
	5	7962414		2011-06-14	Allibhoy et al.	

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	1	20020104099		2002-08-00	Novak	

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2	20060267995	2006-11-00	Radloff et al.
3	20050160458	2005-07-05	Baumgartner
4	20030037010	2003-02-00	Schmelzer

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	Filing Date	2016-06-24
	First Named Inventor	Milton Diaz Perez
	Art Unit	2422
	Examiner Name	
	Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

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	8479246		2013-07-02	Hudson et al.	
	2	6177931		2001-01-23	Alexander et al.	
	3	6025837		2000-02-05	Matthews et al.	
	4	6092080		2000-07-18	Gustman	
	5	6005561		1999-12-21	Hawkins et al.	
	6	5832499		1998-11-03	Gustman	
	7	5813014		1998-09-22	Gustman	
	8	5798785		1998-08-25	Hendricks et al.	

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9	5686954		1997-11-17	Yoshinobu et al.
10	5589892		1996-12-31	Knee et al.
11	5479268		1995-12-26	Young et al.

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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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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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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		

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Name/Print	Charles R. Macedo	Registration Number	32,781

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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	7548565		2009-06-00	Sull et al.	
	2	8006263		2011-08-23	Ellis et al.	
	3	8644354		2014-02-04	George et al.	

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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
	1	20040158855		2004-08-00	Gu et al.	
	2	20050138560		2005-06-23	Lee et al.	
	3	20100153999		2010-06-17	Yates	

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4	20060155850	2006-07-13	Ma et al.
5	20080163330	2008-07-03	Sparrell
6	20040049788	2004-03-11	Mori et al.
7	20040015989	2004-01-02	Kaizu et al.

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	1	Patent Owner's Preliminary Response, 2015-01-02, CBM2014-00189, Hawaiian Telecom, Inc. v. Broadband iTV, Inc., re U.S. Patent 7,631,336	
	2	Decision Denying Institution of Inter Partes Review, 2015-01-05, IPR2014-01222, Unified Patents v. Broadband iTV, Inc., re U.S. Patent 7,631,336	

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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	7367043		2008-04-29	Dudkiewicz et al.	
	2	7444402		2008-10-28	Rennels	
	3	6177931		2001-01-23	Alexander et al.	
	4	6754904		2004-06-22	Cooper et al.	
	5	6774926		2004-08-10	Ellis et al.	
	6	7120925		2006-10-10	D'Souza et al.	
	7	7222163		2007-05-22	Girouard et al.	
	8	7337462		2008-02-26	Dudkiewicz et al.	

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9	6008803		1999-12-28	Rowe et al.
10	7835920		2010-11-16	Snyder et al.
11	7917933		2011-03-29	Thomas et al.

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	1	20020104099		2002-08-01	Novak	
	2	20020059621		2002-05-16	Thomas et al.	
	3	20070214482		2007-09-13	Nguyen	
	4	20040268413		2004-12-30	Reid et al.	
	5	20050246752		2005-11-03	Liverant et al.	
	6	20080141325		2008-06-12	Ludvig et al.	

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7	20040073919	2004-04-15	Gutta et al.
8	20050210524	2005-09-22	Dolph
9	20050229209	2005-10-13	Hildebolt et al.
10	20030154475	2003-08-14	Rodriguez et al.

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	1	WO03052572	WO		2003-06-26	D'Souza et al.		

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Name/Print	Charles R. Macedo	Registration Number	32,781

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2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
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).
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6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
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.
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	Filing Date	2016-06-24
	First Named Inventor	Milton Diaz Perez
	Art Unit	2422
	Examiner Name	
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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	6804825		2004-10-12	White et al.	
	2	5648824		1997-07-15	Dunn et al.	
	3	5758258		1998-05-26	Shoff et al.	
	4	5721827		1998-02-24	Logan et al.	
	5	7367043		2008-04-01	Dudkiewicz et al.	
	6	5926230		1999-07-01	Nijjima et al.	
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	1	20020138843		2002-09-26	Samaan et al.	
	2	20020088009		2002-07-04	Dudkiewicz et al.	
	3	20050235318		2005-10-01	Grauch et al.	
	4	20030084126		2003-05-01	Kumar et al.	
	5	20080148317		2008-06-01	Opaluch	
	6	20030149975		2003-08-01	Eldering et al.	
	7	20030101451		2003-05-01	Bentolila et al.	
	8	20070157249		2007-07-01	Cordray et al.	
	9	20020174430		2002-11-01	Ellis et al.	
	10	20080222687		2008-09-01	Edry	

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11	20020088010	2002-07-01	Dudkiewicz et al.
12	20080022298	2008-01-01	Cavicchia
13	20050203918	2005-09-01	Holbrook

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	1	WO03069457	WO		2003-08-21	Wilson		

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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
	1	Petition for Inter Partes Review, IPR2014-01222, Unified Patents, Inc. v. Broadband iTV, Inc., re U.S. Patent 7,631,336	
	2	Petition for Covered Business Method Review, CBM2014-00189, Hawaiian Telecom, Inc. v. Broadband iTV, Inc., re U.S. Patent 7,631,336	

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See attached certification statement.

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

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Signature	/Charles R. Macedo/	Date (YYYY-MM-DD)	2016-07-12
Name/Print	Charles R. Macedo	Registration Number	32,781

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	1	5850218		1998-12-15	LaJoie et al.	
	2	5956716		1999-09-21	Kenner et al.	
	3	7103905		2006-09-05	Novak	
	4	7155674		2006-12-26	Breen et al.	
	5	7392532		2008-06-24	White et al.	
	6	7516472		2009-04-07	Danker et al.	
	7	7761899		2010-07-20	Buehl et al.	
	8	7908626		2011-03-15	Williamson et al.	

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9	7921448		2011-04-05	Fickle et al.
10	8042132		2011-10-18	Carney et al.
11	8151290		2012-04-03	Ujihara
12	8365230		2013-01-29	Chane et al.
13	8434118		2013-04-30	Gonder et al.
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	1	20020184635		2002-12-05	Istvan	
	2	20030093790		2003-05-15	Logan et al.	
	3	20040103120		2004-05-27	Fickle et al.	

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4	20050188415	2005-08-25	Riley
5	20050240961	2005-10-27	Jerding et al.

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	1	Adams, Open Cable Architecture (Cisco Press 2000), Chapter 8-16.	
	2	ATSC Standard: Program and System Information Protocol for Terrestrial Broadcast and Cable (PSIP) (December 23, 1997).	
	3	Attack of the \$500 Killer Network Computers: Time-Warner Cable's Full Service Network, Network Computing (August 19, 2000) Internet Archive, https://web.archive.org/web/20000819050301/http://www.networkcomputing.com/616/616tw.html .	
	4	CableLabs Video-On-Demand Asset Distribution Interface Specification, Version 1.1 (September 27, 2002).	

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5	CableLabs Video-On-Demand Content Specification Version 1.1 (January 7, 2004).
6	Declaration of Milton Diaz Perez, Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 14-cv-00169-ACK-KSC (D. Haw. March 2, 2015).
7	Defendants' Joint Preliminary Invalidity Contentions, Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 14-cv-00169-ACK-KSC (D. Haw. February 20, 2015).
8	Exhibit A, Defendants' Joint Preliminary Invalidity Contentions, Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 14-cv-00169-ACK-KSC (D. Haw. February 20, 2015).
9	Exhibit B, Defendants' Joint Preliminary Invalidity Contentions, Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 14-cv-00169-ACK-KSC (D. Haw. February 20, 2015).
10	Exhibit C, Defendants' Joint Preliminary Invalidity Contentions, Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 14-cv-00169-ACK-KSC (D. Haw. February 20, 2015).
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13	Exhibit G, Defendants' Joint Preliminary Invalidity Contentions, Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 14-cv-00169-ACK-KSC (D. Haw. February 20, 2015).
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15	Full Service Network and The Orlando Sentinel add interactive dining guide to GOtv, The Free Library, http://www.thefreelibrary.com/Full+Service+Network+and+The+Orlando+Sentinel+add+interactive+dining...-a018299720 (published May 20, 1996, last visited March 4, 2015).

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16	Full Service Network(FSN) in Orlando, Florida, Hong Kong University of Science and Technology (May 4, 1997) Internet Archive, https://web.archive.org/web/19970504203603/http://www.ust.hk/~webiway/content/USA/Trial/fsn.html .
17	Full Service Network, Time Warner Cable, http://m.history.timewarnercable.com/the-twc-story/era-1990-1995/Story.aspx?story=56 (last visited March 4, 2015).
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19	Tanenbaum, Computer Networks, 4th ed. (Prentice Hall PTR 2003), pgs. 1-14.
20	Time Warner Cable, DRAFT Asset Distribution System ("Catcher's Mitt") Functional Requirements, Version 1.0 (January 26, 2000).
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24	Time Warner Cable's Full Service Network connects live to Innoventions, AllBusiness (published April 10, 1996, archived March 25, 2008) Internet Archive, https://web.archive.org/web/20080325024937/http://www.allbusiness.com/media-telecommunications/telecommunications/7218809-1.html .
25	Time Warner introduces world's first full service network in Orlando; Network offers First..., AllBusiness (published December 14, 1994, archived May 22, 2009) Internet Archive, https://web.archive.org/web/20090522134441/http://www.allbusiness.com/media-telecommunications/telecommunications/7087127-1.html .
26	Time Warner will close its Full Service Network, Orlando Business Journal, http://www.bizjournals.com/orlando/stories/1997/04/28/daily7.html (last visited March 4, 2015).

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27	Time Warner's 'Time Machine' for Future Video, The New York Times, http://www.nytimes.com/.../12/business/time-warner-s-time-machine-for-future-video.html?pagewanted=2&pagewanted=print (publshied December 12, 1994, last visited March 4, 2015).
28	Time Warner Cable, Request For Proposal and Functional Requirements Specification for Video-On-Demand (VOD) Systems, Version 2.0 (April 25, 1997).
29	Time Warner Cable, Pegasus Movies On Demand Content Specification, Version 1.3 (September 29, 2000).
30	Time Warner Cable, Pegasus Overall Flow: Movie Delivery, Version 1.0 (February 18, 2004).

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	First Named Inventor	Milton Diaz Perez
	Art Unit	2422
	Examiner Name	
	Attorney Docket Number	BBitV-CIP1-D9 (07612/58)

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	6845396	B1	2005-01-18	Kanojia et al.	
	2	7590997	B2	2009-09-15	Diaz Perez	
	3	7631336	B2	2009-12-08	Diaz Perez	
	4	7774819	B2	2010-08-10	Diaz Perez	
	5	9066118	B2	2015-06-23	Diaz Perez	
	6	9078016	B2	2015-07-07	Diaz Perez	
	7	9106959	B2	2015-08-11	Diaz Perez	
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	1	20020066106	A1	2002-05-30	Kanojia et al.	
	2	20070250864	A1	2007-10-25	Diaz Perez	
	3	20100138863	A1	2010-06-03	Diaz Perez	
	4	20100319040	A1	2010-12-16	Diaz Perez	
	5	20100325655	A1	2010-12-23	Diaz Perez	
	6	20110030012	A1	2011-02-03	Diaz Perez	
	7	20110030013	A1	2011-02-03	Diaz Perez	
	8	20130254804	A1	2013-09-26	Diaz Perez	
	9	20130254809	A1	2013-09-26	Diaz Perez	

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10	20130254814	A1	2013-09-26	Diaz Perez
11	20150128192	A1	2015-05-07	Diaz Perez

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FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²ⁱ	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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Signature	/Charles R. Macedo/	Date (YYYY-MM-DD)	2016-07-12
Name/Print	Charles R. Macedo	Registration Number	32,781

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	1	6100883		2000-08-08	Hoarty	
	2	6205582	B1	2001-03-20	Hoarty	
	3	7650621	B2	2010-01-19	Thomas et al.	
	4	7690020	B2	2010-03-30	Lebar	
	5	7926079	B2	2011-04-12	Lebar	
	6	8843978	B2	2014-09-23	Hardin	
	7	8997136	B2	2015-03-31	Brooks et al.	
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	1	20070016530	A1	2007-01-18	Stasi et al.	

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	1	TimeWarner, Time Warner Cable Launches Quick Clips, http://www.timewarner.com/newsroom/press-releases/2006/09/28/time-warner-cable-launches-quick-clips (published Sept. 28, 2006, last visited June 26, 2015).	
	2	Time Warner Cable, Photos & Video Go from Digital Cameras to Television with Free, New Time Warner Cable Product, http://www.timewarnercable.com/en/about-us/press/photos_video_go_fromdigitalcamerastotelevisionwithfreenewtimewar.html (published Apr. 27, 2007, last visited June 26, 2015).	

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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	5892536		1999-04-06	Logan et al.	
	2	6088455		2000-07-11	Logan et al.	
	3	6931451	B1	2005-08-16	Logan et al.	
	4	7055166	B1	2006-05-30	Logan et al.	
	5	8191098	B2	2012-05-29	Cooper et al.	

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2	20060015925	A1	2006-01-19	Logan
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	1	1 361 759	EP	A1	2003-11-12	Canal+ Technologies Societe Anonyme		

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Signature	/Charles R. Macedo/	Date (YYYY-MM-DD)	2016-07-12
Name/Print	Charles R. Macedo	Registration Number	32781

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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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	15192598
	Filing Date	2016-06-24
	First Named Inventor	Milton Diaz Perez
	Art Unit	2422
	Examiner Name	
	Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

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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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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FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²ⁱ	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

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

Application Number		15192598
Filing Date		2016-06-24
First Named Inventor	Milton Diaz Perez	
Art Unit	2422	
Examiner Name		
Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)	

1	Defendants Oceanic Time Warner Cable, LLC and Time Warner Cable Inc.'s Motion for Summary Judgment Regarding Invalidity of U.S. Patent No. 7,631,336 (ECF 474), Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 1:14-cv-00169 (D. Haw. Aug. 10, 2015) (5 pgs).
2	Memorandum in Support of Defendants Oceanic Time Warner Cable LLC and Time Warner Cable Inc.'s Motion for Summary Judgment Regarding Invalidity of U.S. Patent No. 7,631,336 (ECF 474-1), Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 1:14-cv-00169 (D. Haw. Aug. 10, 2015) (49 pgs).
3	Concise Statement of Facts in Support of Defendants Oceanic Time Warner Cable LLC and Time Warner Cable Inc.'s Motion for Summary Judgment Regarding Invalidity of U.S. Patent No. 7,631,336 (ECF 475), Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 1:14-cv-00169 (D. Haw. Aug. 10, 2015) (12 pgs).
4	Declaration of Nathan L. Brown (ECF 475-1), Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 1:14-cv-00169 (D. Haw. Aug. 10, 2015) (6 pgs).
5	Exhibits 1 (ECF 475-2), 4 (ECF 475-5), 5 (ECF 475-6), and 6 (ECF 475-7) to Concise Statement of Facts in Support of Defendants Oceanic Time Warner Cable LLC and Time Warner Cable Inc.'s Motion for Summary Judgment Regarding Invalidity of U.S. Patent No. 7,631,336, Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 1:14-cv-00169 (D. Haw. Aug. 10, 2015) (133 pgs).
6	Plaintiff's Opposition to Defendants Time Warner Cable, Inc. and Oceanic Time Warner Cable, LLC's Motion for Summary Judgment Regarding Invalidity of U.S. Patent No. 7,631,336 (ECF 561), Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 1:14-cv-00169 (D. Haw. Aug. 27, 2015) (52 pgs).
7	Plaintiff Broadband iTV, Inc.'s Concise Statement of Facts in Opposition to Defendants Oceanic Time Warner Cable and Time Warner Cable, Inc.'s Concise Statement of Facts (ECF 562), Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 1:14-cv-00169 (D. Haw. Aug. 27, 2015) (8 pgs).
8	Declaration of Keith A. Jones (ECF 562-1), Inc.'s Concise Statement of Facts, Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 1:14-cv-00169 (D. Haw. Aug. 27, 2015) (8 pgs).
9	Exhibits 1-10 (ECF 562-2 - ECF-11), 12 (ECF 562-13), 14 (ECF 562-15), 16-17 (ECF 562-17 - 562-18), and 19-20 (ECF 562-20 - 562-21) to Plaintiff Broadband iTV, Inc.'s Concise Statement of Facts in Opposition to Defendants Oceanic Time Warner Cable and Time Warner Cable, Inc.'s Concise Statement of Facts, Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 1:14-cv-00169 (D. Haw. Aug. 27, 2015) (508 pgs).

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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	/Charles R. Macedo/	Date (YYYY-MM-DD)	2016-07-12
Name/Print	Charles R. Macedo	Registration Number	32,781

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	Filing Date	2016-06-24
	First Named Inventor	Milton Diaz Perez
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	Examiner Name	
	Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	7028327		2006-04-11	Dougherty et al.	
	2	7089309		2006-08-08	Ramaley et al.	
	3	7200575		2007-04-03	Hans et al.	

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	1	20040172419	A1	2004-09-02	Morris et al.	
	2	20150237403	A1	2015-08-20	Diaz Perez	
	3	20150245099	A1	2015-08-27	Diaz Perez	

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	First Named Inventor	Milton Diaz Perez
	Art Unit	2422
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U.S. PATENTS

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NON-PATENT LITERATURE DOCUMENTS

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Filing Date		2016-06-24
First Named Inventor	Milton Diaz Perez	
Art Unit	2422	
Examiner Name		
Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)	

1	ORDER GRANTING IN PART AND DENYING IN PART DEFENDANTS OCEANIC TIME WARNER CALBE, LLC AND TIME WARNER CABLE, INC.'S MOTION FOR SUMMARY JUDGMENT REGARDING INVALIDITY OF U.S. PATENT NO. 7,631,336, Broadband iTV, Inc. v. Oceanic Time Warner Cable, LLC and Time Warner Cable, Inc., No. 15-00131 (D. Haw. Sept. 29, 2015) (77 pgs).
2	Judgment, Broadband iTV, Inc. v. Oceanic Time Warner Cable, LLC and Time Warner Cable, Inc., No. 15-00131 (D. Haw. Sept. 29, 2015) (2 pgs).
3	PLAINTIFF'S NOTICE OF APPEAL; CERTIFICATE OF SERVICE, Broadband iTV, Inc. v. Oceanic Time Warner Cable, LLC and Time Warner Cable, Inc., No. 15-00131 (D. Haw. Oct. 9, 2015) (4 pgs).
4	ORDER GRANTING DEFENDANT HAWAIIAN TELCOM, INC.'S MOTION FOR SUMMARY JUDGMENT OF INVALIDITY UNDER 35 U.S.C. § 101, Broadband iTV, Inc. v. Hawaiian Telcom, Inc., No. 14-00169 (D. Haw. Sept. 29, 2015) (43 pgs).
5	Judgment, Broadband iTV, Inc. v. Hawaiian Telcom, Inc., No. 14-00169 (D. Haw. Sept. 29, 2015) (2 pgs).
6	PLAINTIFF'S NOTICE OF APPEAL; CERTIFICATE OF SERVICE, Broadband iTV, Inc. v. Hawaiian Telcom, Inc., No. 14-00169 (D. Haw. Oct. 9, 2015) (4 pgs).

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

Application Number		15192598
Filing Date		2016-06-24
First Named Inventor	Milton Diaz Perez	
Art Unit	2422	
Examiner Name		
Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)	

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Signature	/Charles R. Macedo/	Date (YYYY-MM-DD)	2016-07-12
Name/Print	Charles R. Macedo	Registration Number	32,781

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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	7471834	B2	2008-12-30	Sull et al.	
	2	7624337	B2	2009-11-24	Sull et al.	

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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
	1	20020069218	A1	2002-06-06	Sull et al.	
	2	20030208756	A1	2003-11-06	Macrae et al.	

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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 ^{T5}
	1	2002008948	WO	A2	2002-01-31	Sull et al.	

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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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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	9055325	B2	2015-06-09	Gaydou et al.	

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U.S. PATENT APPLICATION PUBLICATIONS						Remove
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	20050166230	A1	2005-07-28	Gaydou et al.	
	2	20150281792	A1	2015-10-01	Gaydou et al.	

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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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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	6148081		2000-11-14	Szymanski et al.	
	2	7644429	B2	2010-01-05	Bayassi et al.	

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U.S. PATENT APPLICATION PUBLICATIONS

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	1	Brief of Amici Curiae Broadband iTV, Inc., Double Rock Corporation, Island Intellectual Property, LLC, Access Control Advantage, Inc., and Fairway Financial U.S., Inc. In Support of Appellants, Netflix, Inc. v. Rovi Corporation et al., No. 2015-1917 (Fed. Cir. Dec. 18, 2015).	
	2	Consolidated Brief for Appellant Broadband iTV, Inc., Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 16-1082 (Fed. Cir. Jan. 21, 2016).	
	3	Amicus Brief of United Inventors Association of the United States of America in Support of Appellant Broadband iTV, Inc. and Reversal, Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 16-1082 (Fed. Cir. Jan. 27, 2016).	
	4	Amicus Brief by Tranxition, Inc., Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 16-1082 (Fed. Cir. Jan. 28, 2016).	

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	Filing Date	2016-06-24
	First Named Inventor	Milton Diaz Perez
	Art Unit	2422
	Examiner Name	
	Attorney Docket Number	BBitV-CIP1-D9 (07612/58)

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	6305016	B1	2001-10-16	Marshall et al.	
	2	6834110	B1	2004-12-21	Marconcini et al.	
	3	6898762	B2	2005-05-24	Ellis et al.	
	4	7100185	B2	2006-08-29	Bennington et al.	
	5	7213005	B2	2007-05-01	Mourad et al.	
	6	7277870	B2	2007-10-02	Mourad et al.	
	7	7945929	B2	2011-05-17	Knudson et al.	
	8	7974962	B2	2011-07-05	Krakirian et al.	

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9	9232275	B2	2016-01-05	Diaz Perez
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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	20020184634	A1	2002-12-05	Cooper	
	2	20030018971	A1	2003-01-23	McKenna	
	3	20040205816	A1	2004-10-14	Barrett	
	4	20050097622	A1	2005-05-05	Zigmond et al.	
	5	20050160465	A1	2005-07-21	Walker	
	6	20050283800	A1	2005-12-22	Ellis et al.	
	7	20080072260	A1	2008-03-20	Rosin et al.	
	8	20150264440	A1	2015-09-17	Diaz Perez	

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9	20150358682	A1	2015-12-10	Diaz Perez
10	20150358683	A1	2015-12-10	Diaz Perez
11	20150358649	A1	2015-12-10	Diaz Perez

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	Art Unit	2422
	Examiner Name	
	Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

U.S.PATENTS	<input type="button" value="Remove"/>
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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	7801838	B2	2010-09-21	Colbath et al.	
	2	7801910	B2	2010-09-21	Houh et al.	
	3	7925973	B2	2011-04-12	Allaire et al.	
	4	9292866	B2	2016-03-22	Allaire et al.	

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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
	1	20070038567	A1	2007-02-15	Allaire et al.	
	2	20110191163	A1	2011-08-04	Allaire et al.	

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3	20110166918	A1	2011-07-07	Allaire et al.
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	1	WO 2007/021974	WO	A2	2007-02-22	Allaire		

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	1	7987492	B2	2011-07-26	Liverant et al.	
	2	8473868	B1	2013-06-25	Kauffman	

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	1	20020152318	A1	2002-10-17	Menon et al.	

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Signature	/Charles R. Macedo/	Date (YYYY-MM-DD)	2016-07-12
Name/Print	Charles R. Macedo	Registration Number	32,781

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.
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9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Acknowledgement Receipt

EFS ID:	26327720
Application Number:	15192598
International Application Number:	
Confirmation Number:	1328
Title of Invention:	SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM CONTENT ON TV SERVICES PLATFORM OF A DIGITAL TV SERVICES PROVIDER
First Named Inventor/Applicant Name:	Milton Diaz Perez
Customer Number:	1912
Filer:	Tzvi Hirshaut/Victoria Gilmore
Filer Authorized By:	Tzvi Hirshaut
Attorney Docket Number:	BBiTV-CIP1-D9 (07612/58)
Receipt Date:	12-JUL-2016
Filing Date:	24-JUN-2016
Time Stamp:	16:25:30
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	Transmittal Letter	1-_IDS_Letter.pdf	74973 <small>776b494198505645b88e24172a0874cea1c31085</small>	no	2

Warnings:

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2	Information Disclosure Statement (IDS) Form (SB08)	2-IDS0.pdf	613376	no	7
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3	Information Disclosure Statement (IDS) Form (SB08)	3-IDS1.pdf	612711	no	5
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17	Information Disclosure Statement (IDS) Form (SB08)	17-IDS15.pdf	1035953	no	5
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Warnings:					
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18	Information Disclosure Statement (IDS) Form (SB08)	18-IDS16.pdf	1035373	no	4
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Information:					
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Warnings:					
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Warnings:					
Information:					
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22	Information Disclosure Statement (IDS) Form (SB08)	22-IDS20.pdf	1035992	no	6
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Information:					
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Warnings:					
Information:					
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Warnings:					
Information:					
Total Files Size (in bytes):			19015327		
<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>					

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Broadband iTV, Inc. Confirmation No.: 1328
Title: SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM
CONTENT ON TV SERVICES PLATFORM OF A DIGITAL TV
SERVICES PROVIDER
Appl. No.: 15/192,598
Filing Date: June 24, 2016
Examiner: TBD
Art Unit: 2422
Docket No.: BBiTV-CIP1-D9 (07612/58)
Customer No.: 01912

INFORMATION DISCLOSURE STATEMENT LETTER
UNDER 37 CFR § 1.56

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22323-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. §1.56, Applicant would like to direct the Examiner's attention to the references that are listed on the attached forms PTO/SB/08A. In addition to any copies of Foreign Patent Documents and Non-Patent Literature Documents submitted herewith, Applicant refers the Examiner to the references previously submitted to or cited by the Patent Office during prosecution of U.S. Patent Application No. 14/827,090, from which the subject application claims priority under 35 U.S.C. §120. Accordingly, pursuant to 37 C.F.R. § 1.98(d), copies of previously cited or submitted references and Non-Patent Literature Documents are not included with this Information Disclosure Statement.

Page 1 of 2

635317.1

DISH Ex-1118, p. 643
DISH v. BBiTV
IPR2020-01268

Since this Information Disclosure Statement is being filed before the first Office Action, Applicant believes that no fee is required in connection with the filing of this Statement. However, if a fee should be required, the Commissioner is hereby authorized to charge or credit any fees which may be required for this filing to Deposit Account No. 01-1785.

Respectfully submitted,

AMSTER, ROTHSTEIN & EBENSTEIN LLP
Attorneys for Applicant
90 Park Avenue
New York, NY 10016
(212) 336-8000

Dated: July 12, 2016

By: /Charles R. Macedo/
Charles R. Macedo, Reg. No. 32,781

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	15192598
	Filing Date	2016-06-24
	First Named Inventor	Milton Diaz Perez
	Art Unit	2422
	Examiner Name	
	Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

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	5759101		1998-06-02	Von Kohorn	
	2	7058223		2006-06-06	Cox	
	3	7720707		2010-05-18	Mowry	
	4	8010988		2011-08-30	Cox	
	5	8020187		2011-09-13	Cox	
	6	8205237		2012-06-19	Cox	
	7	8214254		2012-07-03	Mowry	
	8	8219446		2012-07-10	Mowry	

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

Application Number	15192598
Filing Date	2016-06-24
First Named Inventor	Milton Diaz Perez
Art Unit	2422
Examiner Name	
Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

9	8249924		2012-08-21	Mowry	
10	5931901		1999-08-03	Wolfe	
11	6038591		2000-03-14	Wolfe	
12	6161142		2000-12-12	Wolfe	

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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	20010049625		2001-12-06	Mowry	

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FOREIGN PATENT DOCUMENTS

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
	1							

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**
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Application Number	15192598	
Filing Date	2016-06-24	
First Named Inventor	Milton Diaz Perez	
Art Unit	2422	
Examiner Name		
Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)	

	1		
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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	15192598
	Filing Date	2016-06-24
	First Named Inventor	Milton Diaz Perez
	Art Unit	2422
	Examiner Name	
	Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

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	/Charles R. Macedo/	Date (YYYY-MM-DD)	2016-07-12
Name/Print	Charles R. Macedo	Registration Number	32781

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	Filing Date	2016-06-24
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	Examiner Name	
	Attorney Docket Number	BBitV-CIP1-D9 (07612/58)

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	4706121		1987-11-10	Young	
	2	5734853		1998-03-31	Hendricks et al.	
	3	5812123		1998-09-22	Rowe et al.	
	4	6008803		1999-12-28	Rowe et al.	
	5	6118442		2000-09-12	Tanigawa	
	6	6289346		2001-09-11	Milewski et al.	
	7	6539548		2003-03-25	Hendricks et al.	
	8	6990677		2006-01-24	Pietraszak et al.	

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

Application Number		15192598
Filing Date		2016-06-24
First Named Inventor	Milton Diaz Perez	
Art Unit	2422	
Examiner Name		
Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)	

9	7076734		2006-07-11	Wolff et al.
10	7305691		2007-12-04	Cristofalo
11	7594245		2009-09-22	Sezan et al.
12	7835920		2010-11-16	Snyder et al.
13	7917933		2011-03-29	Thomas et al.
14	8346605		2013-01-01	Krikorian et al.
15	7590997	B2	2009-09-15	Diaz Perez
16	7631336	B2	2009-12-08	Diaz Perez
17	7774819	B2	2010-08-10	Diaz Perez

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Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)	

1	20010018771		2001-08-30	Walker et al.
2	20010052132		2001-12-13	Fryer
3	20020056104		2002-05-09	Burnhouse et al.
4	20020152224		2002-10-17	Roth et al.
5	20020194194		2002-12-19	Fenton et al.
6	20030009542		2003-01-09	Kasal et al.
7	20030055893		2003-03-20	Sato et al.
8	20030084449		2003-05-01	Chane et al.
9	20030154475		2003-08-14	Rodriguez et al.
10	20030167471		2003-09-04	Roth et al.
11	20040117844		2004-06-17	Karaoguz et al.

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

Application Number		15192598
Filing Date		2016-06-24
First Named Inventor	Milton Diaz Perez	
Art Unit	2422	
Examiner Name		
Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)	

12	20040136698		2004-07-15	Mock
13	20040148626		2004-07-29	Sakao et al.
14	20050049933		2005-03-03	Upendran et al.
15	20050235319		2005-10-20	Carpenter et al.
16	20060004914		2006-01-05	Kelly et al.
17	20060174260		2006-08-03	Gutta
18	20070157221		2007-07-05	Ou et al.
19	20070198532		2007-08-23	Krikorian et al.
20	20070214482		2007-09-13	Nguyen
21	20080127257		2008-05-29	Kvache
22	20080163292		2008-07-03	Stallworth

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Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)	

23	20080189749		2008-08-07	White et al.
24	20090158334		2009-06-18	Rodriguez et al.
25	20100211975		2010-08-19	Boyer et al.
26	20130125158		2013-05-16	Brown
27	20070250864	A1	2007-10-25	Diaz Perez
28	20100138863	A1	2010-06-03	Diaz Perez
29	20100319040	A1	2010-12-16	Diaz Perez
30	20100325655	A1	2010-12-23	Diaz Perez
31	20110030012	A1	2011-02-03	Diaz Perez
32	20110030013	A1	2011-02-03	Diaz Perez
33	20130254804	A1	2013-09-26	Diaz Perez

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Art Unit	2422
Examiner Name	
Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

34	20130254809	A1	2013-09-26	Diaz Perez
35	20130254814	A1	2013-09-26	Diaz Perez
36	20150128192	A1	2015-05-07	Diaz Perez

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 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
	1	EP 1 164 796	EP	A1	2001-12-19	Astrium SAS		
	2	01/010124	WO	A1	2001-02-08	Sun Microsystems, Inc.		
	3	03/052572	WO	A1	2003-06-26	D'Souza et al.		

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	PTAB Decision Denying Institution of Covered Business Method Patent Review, 2015-04-01, CBM2014-00189, Hawaiian Telcom, Inc. v. Broadband iTV, Inc., re U.S. Patent 7,631,336	

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

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Application Number	15192598	
Filing Date	2016-06-24	
First Named Inventor	Milton Diaz Perez	
Art Unit	2422	
Examiner Name		
Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)	

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.

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CERTIFICATION STATEMENT

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OR

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

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	/Charles R. Macedo/	Date (YYYY-MM-DD)	2016-07-12
Name/Print	Charles R. Macedo	Registration Number	32781

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

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The 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.

PATENT APPLICATION FEE DETERMINATION RECORD
Substitute for Form PTO-875

Application or Docket Number
15/192,598

APPLICATION AS FILED - PART I

(Column 1)		(Column 2)	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE(\$)	FEE(\$)		RATE(\$)	FEE(\$)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	70		N/A	
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A	300		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	360		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	17 minus 20 = *	*	x 40 =	0.00	OR		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	1 minus 3 = *	*	x 210 =	0.00			
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			0.00			
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				0.00			
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	730		TOTAL	

APPLICATION AS AMENDED - PART II

(Column 1)		(Column 2)	(Column 3)	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)
Total (37 CFR 1.16(i))	*	Minus **	=	x =		OR	x =	
Independent (37 CFR 1.16(h))	*	Minus ***	=	x =		OR	x =	
Application Size Fee (37 CFR 1.16(s))						OR		
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						OR		
				TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)
Total (37 CFR 1.16(i))	*	Minus **	=	x =		OR	x =	
Independent (37 CFR 1.16(h))	*	Minus ***	=	x =		OR	x =	
Application Size Fee (37 CFR 1.16(s))						OR		
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						OR		
				TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
 ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
 *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".
 The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.



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Table with 7 columns: APPLICATION NUMBER, FILING or 371(c) DATE, GRP ART UNIT, FIL FEE REC'D, ATTY.DOCKET.NO, TOT CLAIMS, IND CLAIMS. Row 1: 15/192,598, 06/24/2016, 2422, 730, BBiTV-CIP1-D9 (07612/58), 17, 1

CONFIRMATION NO. 1328

FILING RECEIPT

1912
AMSTER, ROTHSTEIN & EBENSTEIN LLP
90 PARK AVENUE
NEW YORK, NY 10016



Date Mailed: 07/13/2016

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections

Inventor(s) Milton Diaz Perez, Tiburon, CA;
Applicant(s) Broadband iTV, Inc., Honolulu, HI;

Power of Attorney: The patent practitioners associated with Customer Number 1912

Domestic Priority data as claimed by applicant
This application is a CON of 14/827,090 08/14/2015
which is a CON of 12/632,745 12/07/2009 PAT 9113228
which is a DIV of 11/685,188 03/12/2007 PAT 7631336
which is a CIP of 10/909,192 07/30/2004 PAT 7590997

Foreign Applications for which priority is claimed (You may be eligible to benefit from the Patent Prosecution Highway program at the USPTO. Please see http://www.uspto.gov for more information.) - None.
Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 07/11/2016

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 15/192,598**

Projected Publication Date: 10/20/2016

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM CONTENT ON TV SERVICES
PLATFORM OF A DIGITAL TV SERVICES PROVIDER

Preliminary Class

348

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	15192598
	Filing Date	2016-06-24
	First Named Inventor	Milton Diaz Perez
	Art Unit	2426
	Examiner Name	ALAM, MUSHFIKH I.
	Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

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	6476826	B1	2002-11-05	Plotkin et al.	
	2	6446083	B1	2002-09-03	Leight et al.	

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U.S. PATENT APPLICATION PUBLICATIONS

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	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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NON-PATENT LITERATURE DOCUMENTS

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Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

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	Notice of Entry of Judgment Without Opinion for Case No. 2016-1082 of the United States Court of Appeals for the Federal Circuit dated September 26, 2016.	
	2	Judgment, Broadband iTV, Inc. v. Hawaiian Telcom, Inc., Oceanic Time Warner Cable, LLC and Time Warner Cable, Inc., Nos. 2016-1082, 2016-1083 (CAFC Sept. 26, 2016) (2 pgs).	
	3	Affidavit of Milton Diaz Perez Under 37 C.F.R. 132, 01-20-2012, submitted in U.S. Patent Application 11/768,895.	

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A certification statement is not submitted herewith.

SIGNATURE

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Signature	/Tzvi Hirshaut/	Date (YYYY-MM-DD)	2016-10-14
Name/Print	Tzvi Hirshaut	Registration Number	38,732

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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 Acknowledgement Receipt

EFS ID:	27222781
Application Number:	15192598
International Application Number:	
Confirmation Number:	1328
Title of Invention:	SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM CONTENT ON TV SERVICES PLATFORM OF A DIGITAL TV SERVICES PROVIDER
First Named Inventor/Applicant Name:	Milton Diaz Perez
Customer Number:	1912
Filer:	Tzvi Hirshaut/Victoria Gilmore
Filer Authorized By:	Tzvi Hirshaut
Attorney Docket Number:	BBiTV-CIP1-D9 (07612/58)
Receipt Date:	14-OCT-2016
Filing Date:	24-JUN-2016
Time Stamp:	16:52:18
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)	1-58-IDS26.pdf	1035566 <small>27519e278a47e4b581a76b5311f6931d0601ce47</small>	no	4

Warnings:

Information:					
2	Non Patent Literature	2-NPL-16-1082- Notice_of_Entry_of_Judgment _Without_Opinion.pdf	663199 9607d80fb9881a3d5762fa2889d89c131ed 29a40	no	2
Warnings:					
Information:					
3	Non Patent Literature	3-NPL- BroadbandiTV_IncvHawaiian_T elcom_Inc-Nos16-1082-1083. pdf	86098 1ff57c84170afd776285e57e8f3e0895ae431 24b	no	2
Warnings:					
Information:					
4	Non Patent Literature	4- NPL-11768895_2012-01-21_Aff idavit- submitted_prior_to_Mar15201 3.pdf	307660 fd7315d0483fa87de645b7287f8cb87a0c3d c09c	no	4
Warnings:					
Information:					
Total Files Size (in bytes):			2092523		
<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>					



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Table with 4 columns: APPLICATION NUMBER (15/192,598), FILING OR 371(C) DATE (06/24/2016), FIRST NAMED APPLICANT (Milton Diaz Perez), ATTY. DOCKET NO./TITLE (BBiTV-CIP1-D9 (07612/58))

CONFIRMATION NO. 1328

1912
AMSTER, ROTHSTEIN & EBENSTEIN LLP
90 PARK AVENUE
NEW YORK, NY 10016

PUBLICATION NOTICE



Title: SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM CONTENT ON TV SERVICES PLATFORM OF A DIGITAL TV SERVICES PROVIDER

Publication No. US-2016-0309232-A1

Publication Date: 10/20/2016

NOTICE OF PUBLICATION OF APPLICATION

The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

The publication may be accessed through the USPTO's publically available Searchable Databases via the Internet at www.uspto.gov. The direct link to access the publication is currently http://www.uspto.gov/patft/.

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Office of Public Records. The Office of Public Records can be reached by telephone at (703) 308-9726 or (800) 972-6382, by facsimile at (703) 305-8759, by mail addressed to the United States Patent and Trademark Office, Office of Public Records, Alexandria, VA 22313-1450 or via the Internet.

In addition, information on the status of the application, including the mailing date of Office actions and the dates of receipt of correspondence filed in the Office, may also be accessed via the Internet through the Patent Electronic Business Center at www.uspto.gov using the public side of the Patent Application Information and Retrieval (PAIR) system. The direct link to access this status information is currently http://pair.uspto.gov/. Prior to publication, such status information is confidential and may only be obtained by applicant using the private side of PAIR.

Further assistance in electronically accessing the publication, or about PAIR, is available by calling the Patent Electronic Business Center at 1-866-217-9197.

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	15192598
	Filing Date	2016-06-24
	First Named Inventor	Milton Diaz Perez
	Art Unit	2426
	Examiner Name	ALAM, Mushfikh I.
	Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

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					

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	20020163532	A1	2002-11-07	Thomas et al.	

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 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
	1							

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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		15192598
Filing Date		2016-06-24
First Named Inventor	Milton Diaz Perez	
Art Unit	2426	
Examiner Name	ALAM, Mushfikh I.	
Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)	

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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	15192598		
Filing Date	2016-06-24		
First Named Inventor	Milton Diaz Perez		
Art Unit	2426		
Examiner Name	ALAM, Mushfikh I.		
Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)		

CERTIFICATION STATEMENT

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

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

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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	/Tzvi Hirshaut/	Date (YYYY-MM-DD)	2016-12-15
Name/Print	Tzvi Hirshaut	Registration Number	38,732

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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Electronic Acknowledgement Receipt

EFS ID:	27808439
Application Number:	15192598
International Application Number:	
Confirmation Number:	1328
Title of Invention:	SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM CONTENT ON TV SERVICES PLATFORM OF A DIGITAL TV SERVICES PROVIDER
First Named Inventor/Applicant Name:	Milton Diaz Perez
Customer Number:	1912
Filer:	Tzvi Hirshaut/Victoria Gilmore
Filer Authorized By:	Tzvi Hirshaut
Attorney Docket Number:	BBiTV-CIP1-D9 (07612/58)
Receipt Date:	15-DEC-2016
Filing Date:	24-JUN-2016
Time Stamp:	15:44:23
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)	58-Thomas-IDS.pdf	1035187 <small>93922b27e2dcb004d42479111e8ae8ff7b49ce74</small>	no	4

Warnings:

Information:	
Total Files Size (in bytes):	1035187
<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>	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	15192598
	Filing Date	2016-06-24
	First Named Inventor	Milton Diaz Perez
	Art Unit	2426
	Examiner Name	ALAM, Mushfikh I.
	Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

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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U.S. PATENT APPLICATION PUBLICATIONS							Remove
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	20030163375	A1	2003-08-28	Dombrowski et al.		
	2	20060287916	A1	2006-12-21	Starr et al.		

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

FOREIGN PATENT DOCUMENTS								Remove
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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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	15192598
Filing Date	2016-06-24
First Named Inventor	Milton Diaz Perez
Art Unit	2426
Examiner Name	ALAM, Mushfikh I.
Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

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		

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EXAMINER SIGNATURE

Examiner Signature		Date Considered	
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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		15192598	
Filing Date		2016-06-24	
First Named Inventor	Milton Diaz Perez		
Art Unit	2426		
Examiner Name	ALAM, Mushfikh I.		
Attorney Docket Number	BBitV-CIP1-D9 (07612/58)		

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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	/Michael J. Sebba/	Date (YYYY-MM-DD)	2017-02-08
Name/Print	Michael J. Sebba	Registration Number	75,595

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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Electronic Acknowledgement Receipt

EFS ID:	28295590
Application Number:	15192598
International Application Number:	
Confirmation Number:	1328
Title of Invention:	SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM CONTENT ON TV SERVICES PLATFORM OF A DIGITAL TV SERVICES PROVIDER
First Named Inventor/Applicant Name:	Milton Diaz Perez
Customer Number:	1912
Filer:	Michael J. Sebba/Victoria Gilmore
Filer Authorized By:	Michael J. Sebba
Attorney Docket Number:	BBiTV-CIP1-D9 (07612/58)
Receipt Date:	08-FEB-2017
Filing Date:	24-JUN-2016
Time Stamp:	10:43:38
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)	1-IDS.pdf	1035228 <small>b2a13af5872d19f6bc4f0bb78a0fc0decf9b051e4</small>	no	4

Warnings:

Information:	
Total Files Size (in bytes):	1035228
<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>	

Doc Code: DIST.E.FILE Document Description: Electronic Terminal Disclaimer - Filed		PTO/SB/25 U.S. Patent and Trademark Office Department of Commerce
Electronic Petition Request	TERMINAL DISCLAIMER TO OBIVATE A PROVISIONAL DOUBLE PATENTING REJECTION OVER A PENDING "REFERENCE" APPLICATION	
Application Number	15192598	
Filing Date	24-Jun-2016	
First Named Inventor	Milton Perez	
Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)	
Title of Invention	SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM CONTENT ON TV SERVICES PLATFORM OF A DIGITAL TV SERVICES PROVIDER	
<input checked="" type="checkbox"/> Filing of terminal disclaimer does not obviate requirement for response under 37 CFR 1.111 to outstanding Office Action <input checked="" type="checkbox"/> This electronic Terminal Disclaimer is not being used for a Joint Research Agreement.		
Owner	Percent Interest	
Broadband iTV, Inc.	100%	
<p>The owner(s) of percent interest listed above in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of any patent granted on pending reference Application Number(s)</p> <p>15251865 filed on 08/30/2016</p> <p>as the term of any patent granted on said reference application may be shortened by any terminal disclaimer filed prior to the grant of any patent on the pending reference application. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and any patent granted on the reference application are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.</p> <p>In making the above disclaimer, the owner does not disclaim the terminal part of any patent granted on the instant application that would extend to the expiration date of the full statutory term of any patent granted on said reference application, "as the term of any patent granted on said reference application may be shortened by any terminal disclaimer filed prior to the grant of any patent on the pending reference application," in the event that any such patent granted on the pending reference application: expires for failure to pay a maintenance fee, is held unenforceable, is found invalid by a court of competent jurisdiction, is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321, has all claims canceled by a reexamination certificate, is reissued, or is in any manner terminated prior to the expiration of its full statutory term as shortened by any terminal disclaimer filed prior to its grant.</p>		
<input checked="" type="radio"/> Terminal disclaimer fee under 37 CFR 1.20(d) is included with Electronic Terminal Disclaimer request.		

I certify, in accordance with 37 CFR 1.4(d)(4), that the terminal disclaimer fee under 37 CFR 1.20(d) required for this terminal disclaimer has already been paid in the above-identified application.

Applicant claims the following fee status:

- Small Entity
- Micro Entity
- Regular Undiscounted

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

THIS PORTION MUST BE COMPLETED BY THE SIGNATORY OR SIGNATORIES

I certify, in accordance with 37 CFR 1.4(d)(4) that I am:

- An attorney or agent registered to practice before the Patent and Trademark Office who is of record in this application

Registration Number 75595

- A sole inventor
- A joint inventor; I certify that I am authorized to sign this submission on behalf of all of the inventors as evidenced by the power of attorney in the application
- A joint inventor; all of whom are signing this request

Signature	/Michael J. Sebba/
Name	Michael J. Sebba

*Statement under 37 CFR 3.73(b) is required if terminal disclaimer is signed by the assignee (owner).
Form PTO/SB/96 may be used for making this certification. See MPEP § 324.

Electronic Patent Application Fee Transmittal

Application Number:	15192598			
Filing Date:	24-Jun-2016			
Title of Invention:	SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM CONTENT ON TV SERVICES PLATFORM OF A DIGITAL TV SERVICES PROVIDER			
First Named Inventor/Applicant Name:	Milton Diaz Perez			
Filer:	Michael J. Sebba/Victoria Gilmore			
Attorney Docket Number:	BBitV-CIP1-D9 (07612/58)			
Filed as Small Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
STATUTORY OR TERMINAL DISCLAIMER	2814	1	160	160
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				160

Doc Code: DISQ.E.FILE

Document Description: Electronic Terminal Disclaimer – Approved

Application No.: 15192598

Filing Date: 24-Jun-2016

Applicant/Patent under Reexamination: Perez

Electronic Terminal Disclaimer filed on February 8, 2017

APPROVED

This patent is subject to a terminal disclaimer

DISAPPROVED

Approved/Disapproved by: Electronic Terminal Disclaimer automatically approved by EFS-Web

U.S. Patent and Trademark Office

Electronic Acknowledgement Receipt

EFS ID:	28287324
Application Number:	15192598
International Application Number:	
Confirmation Number:	1328
Title of Invention:	SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM CONTENT ON TV SERVICES PLATFORM OF A DIGITAL TV SERVICES PROVIDER
First Named Inventor/Applicant Name:	Milton Diaz Perez
Customer Number:	1912
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Attorney Docket Number:	BBiTV-CIP1-D9 (07612/58)
Receipt Date:	08-FEB-2017
Filing Date:	24-JUN-2016
Time Stamp:	11:21:01
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	\$ 160
RAM confirmation Number	020817INTEFSW00008959011785
Deposit Account	
Authorized User	

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

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Electronic Terminal Disclaimer-Filed	eTerminal-Disclaimer.pdf	34015 da4b3315c9f0d5ea36b4933474d1a265d53841ba	no	2

Warnings:**Information:**

2	Fee Worksheet (SB06)	fee-info.pdf	30679 6ec63850e1b7509619b215d1a5915b0301b15354	no	2
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Warnings:**Information:**

Total Files Size (in bytes):	64694
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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.



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www.uspto.gov

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.
Row 1: 15/192,598, 06/24/2016, Milton Diaz Perez, BBitV-CIP1-D9 (07612/58), 1328
Row 2: 1912, 7590, 05/02/2017, AMSTER, ROTHSTEIN & EBENSTEIN LLP, 90 PARK AVENUE, NEW YORK, NY 10016, EXAMINER ALAM, MUSHFIKH I
Row 3: ART UNIT 2426, PAPER NUMBER
Row 4: NOTIFICATION DATE 05/02/2017, DELIVERY MODE ELECTRONIC

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.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PTODOCKET@ARELAW.COM

Office Action Summary	Application No. 15/192,598	Applicant(s) PEREZ, MILTON DIAZ	
	Examiner MUSHFIKH ALAM	Art Unit 2426	AIA (First Inventor to File) Status No

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

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 6/24/2016.
 A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2a) This action is **FINAL**. 2b) This action is non-final.

3) 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.

4) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

5) Claim(s) 1-17 is/are pending in the application.
5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6) Claim(s) _____ is/are allowed.

7) Claim(s) 1-17 is/are rejected.

8) Claim(s) _____ is/are objected to.

9) Claim(s) _____ are subject to restriction and/or election requirement.

* If any claims have been determined allowable, 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.

Application Papers

10) The specification is objected to by the Examiner.

11) The drawing(s) filed on 6/24/2016 is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

12) 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)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)

2) Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b)
Paper No(s)/Mail Date 7/12/16, 10/14/16, 12/15/16, 2/8/16

3) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.

4) Other: _____.

DETAILED ACTION

1. Claims 1-17 are pending.
2. The present application is being examined under the pre-AIA first to invent provisions.

Terminal Disclaimer

3. The terminal disclaimer filed on 2/8/2017 disclaiming the terminal portion of any patent granted on this application has been reviewed and is accepted. The terminal disclaimer has been recorded.

Double Patenting

4. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the “right to exclude” granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*,

686 F.2d 937, 214 USPQ 761 (CCPA 1982); In re Vogel, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); In re Thorington, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on nonstatutory double patenting provided the reference application or patent either is shown to be commonly owned with the examined application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement. See MPEP § 717.02 for applications subject to examination under the first inventor to file provisions of the AIA as explained in MPEP § 2159. See MPEP §§ 706.02(l)(1) - 706.02(l)(3) for applications not subject to examination under the first inventor to file provisions of the AIA. A terminal disclaimer must be signed in compliance with 37 CFR 1.321(b).

The USPTO Internet website contains terminal disclaimer forms which may be used. Please visit www.uspto.gov/patent/patents-forms. The filing date of the application in which the form is filed determines what form (e.g., PTO/SB/25, PTO/SB/26, PTO/AIA/25, or PTO/AIA/26) should be used. A web-based eTerminal Disclaimer may be filled out completely online using web-screens. An eTerminal Disclaimer that meets all requirements is auto-processed and approved immediately upon submission. For more information about eTerminal Disclaimers, refer to www.uspto.gov/patents/process/file/efs/guidance/eTD-info-l.jsp.

5. Claims 1-17 rejected on the ground of nonstatutory double patenting as being unpatentable over claims 23-44 of U.S. Patent No. 9113228 in view of Ellis et al. (US

Art Unit: 2426

2002/0042921).US Patent 9113228 claim similar features of Claim 1 of the present application recited below:

1. An Internet-connected digital device for receiving via the Internet video content to be viewed by a subscriber of a video-on-demand system using a hierarchically arranged electronic program guide,

the Internet-connected digital device being configured to obtain and present to the subscriber an electronic program guide as a templated video-on-demand display, which uses at least one of a plurality of different video display templates to which the Internet-connected digital device has access, to enable a subscriber using the Internet-connected digital device to navigate in a drill-down manner through titles by category information in order to locate a particular one of the titles whose associated video content is desired for viewing on the Internet-connected digital device using the same category information as was designated by a video content provider in metadata associated with the video content;

wherein the templated video-on-demand display has been generated in a plurality of layers, comprising:

(a) a first layer comprising a background screen to provide at least one of a basic color, logo, or graphical theme to display;

(b) a second layer comprising a particular video display template from the plurality of different video display templates layered on the background screen, wherein the particular video display template comprises one or more reserved areas that are reserved for displaying content provided by a different layer of the plurality of layers; and

(c) a third layer comprising reserved area content generated using the received video content, the associated metadata, and the associated plurality of images to be displayed in the one or more reserved areas in the particular video display template as at least one of text, an image, a navigation link, and a button.

Novak in view of Ellis are disclosed to teach an obvious variant not present in the claims of Patent 9113228, shown below:

wherein the received video content was uploaded to a Web-based content management system by a content provider device associated with the video content provider via the Internet in a digital video format, along with associated metadata including title information and category information, and along with an associated plurality of images designated by the video content provider, the associated metadata specifying a respective hierarchical location of a respective title of the video content within the electronic program guide to be displayed on the Internet-connected digital device using the respective hierarchically-arranged category information associated with the respective title (see Office Action below).

Claim Rejections - 35 USC § 103

6. The following is a quotation of pre-AIA 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claim 1-6, 8-14 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Novak (US 2002/0104099) in view of Ellis et al. (US 2002/0042921).

Claim 1, Novak teaches “an Internet-connected digital device (122) for receiving via the Internet video content to be viewed by a subscriber of a video-on-demand system (i.e. video on demand embodiment) (p. 0068)”,

“the Internet-connected digital device (122) being configured to obtain and present to the subscriber an electronic program guide as a templated video-on-demand display” (p. 0025-0026, 0068);

“wherein the received video content was uploaded to a Web-based content management system (i.e. website) by a content provider device (222) associated with the video content provider (i.e. server) via the Internet in a digital video format, along with associated metadata (i.e. title) including title information and category information (i.e. content uploaded to server than linked to website or visa versa both envisioned) (p. 0025-0026, 0057, 0068, 0079)”.

Novak not entirely clear in teaching “using a hierarchically arranged electronic program guide”;

“an *electronic program guide* which uses at least one of a plurality of different video display templates to which the Internet-connected digital device has access, to enable a subscriber using the Internet-connected digital device to navigate in a drill-down manner through titles by category information in order to locate a particular one of the titles whose associated video content is desired for viewing on the Internet-connected digital device using the same category information as was designated by a video content provider in metadata associated with the video content”;

wherein the templated video-on-demand display has been generated in a plurality of layers, comprising:

(a) a first layer comprising a background screen to provide at least one of a basic color, logo, or graphical theme to display;

(b) a second layer comprising a particular video display template from the plurality of different video display templates layered on the background screen, wherein the particular video display template comprises one or more reserved areas that are reserved for displaying content provided by a different layer of the plurality of layers; and

(c) a third layer comprising reserved area content generated using the received video content, the associated metadata, and the associated plurality of images to be displayed in the one or more reserved areas in the particular video display template as at least one of text, an image, a navigation link, and a button,

“along with an associated plurality of images designated by the video content provider, the associated metadata specifying a respective hierarchical location of a

respective title of the video content within the electronic program guide to be displayed on the Internet-connected digital device using the respective hierarchically-arranged category information associated with the respective title”.

Ellis teaches “using a hierarchically arranged electronic program guide” (fig. 13);

“*an electronic program guide* which uses at least one of a plurality of different video display templates (figs. 13+) to which the Internet-connected digital device (122) has access, to enable a subscriber using the Internet-connected digital device to navigate in a drill-down manner through titles by category information in order to locate a particular one of the titles (figs. 13+) whose associated video content is desired for viewing on the Internet-connected digital device (122) using the same category information as was designated by a video content provider (i.e. server) in metadata associated with the video content” (figs. 9+; p. 0005);

wherein the templated video-on-demand display has been generated in a plurality of layers (fig. 13+), comprising:

(a) a first layer comprising a background screen to provide at least one of a basic color, logo, or graphical theme to display (i.e. background of any screen) (fig. 13);

(b) a second layer comprising a particular video display template from the plurality of different video display templates layered on the background screen (figs. 13+), wherein the particular video display template comprises one or more reserved areas that are reserved for displaying content provided by a different layer of the plurality of layers (i.e. advertisement) (fig. 13+); and

(c) a third layer comprising reserved area content generated using the received video content, the associated metadata, and the associated plurality of images to be displayed in the one or more reserved areas in the particular video display template as at least one of text, an image, a navigation link, and a button (figs. 13+),

“along with an associated plurality of images designated by the video content provider, the associated metadata specifying a respective hierarchical location of a respective title of the video content within the electronic program guide (i.e. VOD titles are navigated through numerous categories) to be displayed on the Internet-connected digital device using the respective hierarchically-arranged category information associated with the respective title” (figs. 13+; p. 0085-0088).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided a drill down menu as taught by Ellis to the system of Novak to allow users to navigate content (p. 0005).

Claim 2, Novak teaches the specific feature of “the Internet-connected digital device of claim 1, wherein the associated plurality of images that are received” (p. 0025-0026, 0057).

Novak is not entirely clear in teaching the specific feature of “the associated plurality of images includes at least one of graphic, video and audio elements”.

Ellis teaches the specific feature of “the associated plurality of images includes at least one of graphic, video and audio elements” (i.e. icon for programs in VOD list) (fig. 13).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided a drill down menu as taught by Ellis to the system of Novak to allow users to navigate content (p. 0005).

Claim 3, Novak is silent regarding the Internet-connected digital device of claim 1, wherein the plurality of different video display templates for display with the electronic program guide are used to locate the particular one of the titles in a drill-down manner from a first level of a hierarchical structure of the electronic program guide to a second level of the hierarchical structure of the electronic program guide, wherein a first of the plurality of different video display templates is used for displaying the first level of the electronic program guide and wherein a second of the plurality of different video display templates is used for displaying the second level of the electronic program guide.

Ellis teaches the Internet-connected digital device of claim 1, wherein the plurality of different video display templates for display with the electronic program guide are used to locate the particular one of the titles in a drill-down manner from a first level of a hierarchical structure of the electronic program guide to a second level of the hierarchical structure of the electronic program guide, wherein a first of the plurality of different video display templates is used for displaying the first level of the electronic program guide and wherein a second of the plurality of different video display templates is used for displaying the second level of the electronic program guide (fig. 13+; p. 0085-0088).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided a drill down menu as taught by Ellis to the system of Novak to allow users to navigate content (p. 0005).

Claim 4, Novak is not entirely clear in teaching the Internet-connected digital device of claim 1, wherein at least a first video display template of the plurality of different video display templates is associated with at least the video content provider.

Ellis teaches the Internet-connected digital device of claim 1, wherein at least a first video display template of the plurality of different video display templates is associated with at least the video content provider (main facility aggregates program guide data) (fig. 13; p. 0033).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided a drill down menu as taught by Ellis to the system of Novak to allow users to navigate content (p. 0005).

Claim 5, Novak teaches the Internet-connected digital device of claim 1, wherein the associated metadata includes descriptive data about the video content (i.e. information related to object) (p. 0026).

Claim 6, Novak is silent regarding the Internet-connected digital device of claim 1, wherein the one or more category terms associated with the first video-on-demand

program content correspond to one or more topics that pertain to video-on-demand program content from more than one content provider.

Ellis teaches the Internet-connected digital device of claim 1, wherein the one or more category terms associated with the first video-on-demand program content (e.g. movies, new releases, etc.) correspond to one or more topics that pertain to video-on-demand program content from more than one content provider (on-demand data can be retrieved from on demand data source, main facility or other) (p. 0046).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided a drill down menu as taught by Ellis to the system of Novak to allow users to navigate content (p. 0005).

Claim 8, Novak teaches the Internet-connected digital device of claim 1, wherein the Internet-connected digital device is a set top box (152) (p. 0028).

Claim 9, Novak teaches the Internet-connected digital device of claim 1, wherein the Internet-connected digital device uses the Internet Protocol (p. 0030).

Claim 10, Novak teaches the Internet-connected digital device of claim 1, wherein the Internet-connected digital device is configured to be used with an Internet Protocol TV (IPTV) system (i.e. Internet or other IP system) (p. 0089).

Claim 13, Novak teaches the Internet-connected digital device of claim 1, wherein the Internet-connected digital device is a media player (152) (p. 0028).

Claim 14, Novak is silent regarding the Internet-connected digital device of claim 1, wherein the Internet-connected digital device is a game console.

Ellis teaches the Internet-connected digital device of claim 1, wherein the Internet-connected digital device is a game console (i.e. receives video game data) (p. 0036).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided a game console as taught by Ellis to the system on Novak to allow users to receive video game content (p. 0036).

8. Claim 7 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Novak (US 2002/0104099) in view of Ellis et al. (US 2002/0042921), and further in view of Segerberg et al. (US 6910191).

Claim 7, Novak is silent regarding the Internet-connected digital device of claim 1, wherein the one or more category terms associated with the first video-on-demand program content correspond to one or more content providers and wherein the hierarchically arranged electronic program guide is organized according to the content provider.

Ellis teaches the specific feature of "the Internet-connected digital device of claim 1, wherein the one or more category terms (e.g. movies) associated with the first video-on-demand program content" (fig. 13).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided a drill down menu as taught by Ellis to the system of Novak to allow users to navigate content (p. 0005).

Seegerberg teaches the specific feature of "program content, wherein the hierarchically arranged electronic program guide is organized according to the content provider" (i.e. different sources) (col. 4, lines 11-51).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided a display with multiple sources as taught by Seegerberg to the system of Novak to allow users to see which source programming is from (col. 4, lines 4-10).

9. Claim 11-12 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Novak (US 2002/0104099) in view of Ellis et al. (US 2002/0042921), and further in view of Gu et al. (US 2004/0158855).

Claim 11, Novak is silent regarding the Internet-connected digital device of claim 1, wherein the Internet-connected digital device is a digital phone.

Gu teaches the Internet-connected digital device of claim 1, wherein the Internet-connected digital device is a digital phone (140) (p. 0022-0027).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided mobile devices as taught by Gu to the system of Novak to broaden scopes of signal transmission (p. 0012).

Claim 12, Novak is silent regarding the Internet-connected digital device of claim 1, wherein the Internet-connected digital device is a personal digital assistant (PDA).

Gu teaches the Internet-connected digital device of claim 1, wherein the Internet-connected digital device is a personal digital assistant (PDA) (140) (p. 0022-0027).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided mobile devices as taught by Gu to the system of Novak to broaden scopes of signal transmission (p. 0012).

10. Claim 15 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Novak (US 2002/0104099) in view of Ellis et al. (US 2002/0042921), and further in view of Rodriguez et al. (US 2002/0007485).

Claim 15, Novak is silent regarding the Internet-connected digital device of claim 1, wherein the Internet-connected digital device is further configured to receive a selection from the subscriber to bookmark a selected title and to store an electronic guide location address for the video-on-demand program associated with the selected title as an electronic bookmark for later viewing.

Rodriguez teaches the Internet-connected digital device of claim 1, wherein the Internet-connected digital device is further configured to receive a selection from the subscriber to bookmark a selected title and to store an electronic guide location address for the video-on-demand program associated with the selected title as an electronic bookmark for later viewing (i.e. bookmark a scene) (p. 0052).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided bookmarking as taught by Rodriguez to the system of Novak to allow users to easily retrieve saved programming (p. 0052).

11. Claim 16-17 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Novak (US 2002/0104099) in view of Ellis et al. (US 2002/0042921), and further in view of Rodriguez et al. (US 2002/0007485), and further in view of Wong et al. (US 2007/0277201).

Claim 16, Novak is silent regarding the Internet-connected digital device of claim 15, wherein the Internet-connected digital device is further configured to send the electronic bookmark from the Internet-connected digital device to a second Internet-connected digital device.

Wong teaches regarding the Internet-connected digital device of claim 15, wherein the Internet-connected digital device is further configured to send the electronic bookmark (i.e. token) from the Internet-connected digital device to a second Internet-connected digital device (fig. 5; p. 0013)

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided sending tokens to other users as taught by Wong to the system of Novak to allow users to share favorite programs with others (p. 0013).

Claim 17, Novak is silent regarding the Internet-connected digital device of claim 15, wherein the Internet-connected digital device is further configured to transmit an email including the stored electronic bookmark to an email address of a user on the Internet.

Wong teaches the Internet-connected digital device of claim 15, wherein the Internet-connected digital device is further configured to transmit an email including the stored electronic bookmark (i.e. token) to an email address of a user on the Internet (fig. 5; p. 0013).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided sending tokens to other users as taught by Wong to the system of Novak to allow users to share favorite programs with others (p. 0013).

Conclusion

12. Claims 1-17 are rejected.
13. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US 20020174430 A1	Ellis, Michael D. et al.
US 20020059621 A1	Thomas, William L. et al.
US 20020174433 A1	Baumgartner, Joseph P. et al.
US 20040221325 A1	Nakajima, Yasuhisa et al.
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US 20090055868 A1	Wehmeyer; Keith Reynolds et al.
US 6172677 B1	Stautner; John P. et al.
US 7596797 B1	Kapner, III; L. Jeffrey et al.

Inquiries

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MUSHFIKH ALAM whose telephone number is (571)270-1710. The examiner can normally be reached on Mon-Fri: 8:30-18:00 EST.

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, Nasser Goodarzi can be reached on (571)272-4195. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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/MUSHFIKH ALAM/
Primary Examiner, Art Unit 2426
4/25/2017

Notice of References Cited	Application/Control No. 15/192,598	Applicant(s)/Patent Under Reexamination PEREZ, MILTON DIAZ	
	Examiner MUSHFIKH ALAM	Art Unit 2426	Page 1 of 2

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*	C	US-2002/0042921 A1	04-2002	Ellis, Michael D.	G06F3/0481	725/87
*	D	US-2002/0059621 A1	05-2002	Thomas, William L.	G06F3/0481	725/87
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*	J	US-6,910,191 B2	06-2005	Seegerberg; Tomas	H04N5/44543	348/E5.105
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*	L	US-2007/0277201 A1	11-2007	Wong; Curtis	H04N5/44543	725/40
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	Filing Date	2016-06-24
	First Named Inventor	Milton Diaz Perez
	Art Unit	2422
	Examiner Name	
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	1	6804825		2004-10-12	White et al.	
	2	5648824		1997-07-15	Dunn et al.	
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	1	20020138843		2002-09-26	Samaan et al.	
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	1	WO03069457	WO		2003-08-21	Wilson		

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

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	2	7444402		2008-10-28	Rennels	
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9	6008803		1999-12-28	Rowe et al.
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	4	20040268413		2004-12-30	Reid et al.	
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9	20050229209	2005-10-13	Hildebolt et al.
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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.

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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	/Charles R. Macedo/	Date (YYYY-MM-DD)	2016-07-12
Name/Print	Charles R. Macedo	Registration Number	32,781

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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.
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	Filing Date	2016-06-24
	First Named Inventor	Milton Diaz Perez
	Art Unit	2422
	Examiner Name	
	Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

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	8479246		2013-07-02	Hudson et al.	
	2	6177931		2001-01-23	Alexander et al.	
	3	6025837		2000-02-05	Matthews et al.	
	4	6092080		2000-07-18	Gustman	
	5	6005561		1999-12-21	Hawkins et al.	
	6	5832499		1998-11-03	Gustman	
	7	5813014		1998-09-22	Gustman	
	8	5798785		1998-08-25	Hendricks et al.	

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9	5686954		1997-11-17	Yoshinobu et al.
10	5589892		1996-12-31	Knee et al.
11	5479268		1995-12-26	Young et al.

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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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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		

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Examiner Signature	/MUSHFIKH I ALAM/	Date Considered	04/25/2017
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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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SERIAL NUMBER	FILING or 371(c) DATE RULE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO. BBiTV-CIP1-D9 (07612/58)	
15/192,598	06/24/2016	725	2426		
APPLICANTS Broadband iTV, Inc., Honolulu, HI; INVENTORS Milton Diaz Perez, Tiburon, CA; ** CONTINUING DATA ***** This application is a CON of 14/827,090 08/14/2015 PAT 9420318 which is a CON of 12/632,745 12/07/2009 PAT 9113228 which is a DIV of 11/685,188 03/12/2007 PAT 7631336 which is a CIP of 10/909,192 07/30/2004 PAT 7590997 ** FOREIGN APPLICATIONS ***** ** IF REQUIRED, FOREIGN FILING LICENSE GRANTED *** SMALL ENTITY ** 07/11/2016					
Foreign Priority claimed <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 35 USC 119(a-d) conditions met <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Verified and Acknowledged <u>/MUSHFIKH I ALAM/</u> <small>Examiner's Signature</small>	<input type="checkbox"/> Met after Allowance <small>Initials</small>	STATE OR COUNTRY CA	SHEETS DRAWINGS 13	TOTAL CLAIMS 17	INDEPENDENT CLAIMS 1
ADDRESS AMSTER, ROTHSTEIN & EBENSTEIN LLP 90 PARK AVENUE NEW YORK, NY 10016 UNITED STATES					
TITLE SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM CONTENT ON TV SERVICES PLATFORM OF A DIGITAL TV SERVICES PROVIDER					
FILING FEE RECEIVED 730	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:		<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit		

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	Filing Date	2016-06-24
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	Art Unit	2422
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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	4706121		1987-11-10	Young	
	2	5734853		1998-03-31	Hendricks et al.	
	3	5812123		1998-09-22	Rowe et al.	
	4	6008803		1999-12-28	Rowe et al.	
	5	6118442		2000-09-12	Tanigawa	
	6	6289346		2001-09-11	Milewski et al.	
	7	6539548		2003-03-25	Hendricks et al.	
	8	6990677		2006-01-24	Pietraszak et al.	

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Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

9	7076734		2006-07-11	Wolff et al.
10	7305691		2007-12-04	Cristofalo
11	7594245		2009-09-22	Sezan et al.
12	7835920		2010-11-16	Snyder et al.
13	7917933		2011-03-29	Thomas et al.
14	8346605		2013-01-01	Krikorian et al.
15	7590997	B2	2009-09-15	Diaz Perez
16	7631336	B2	2009-12-08	Diaz Perez
17	7774819	B2	2010-08-10	Diaz Perez

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Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)	

1	20010018771		2001-08-30	Walker et al.
2	20010052132		2001-12-13	Fryer
3	20020056104		2002-05-09	Burnhouse et al.
4	20020152224		2002-10-17	Roth et al.
5	20020194194		2002-12-19	Fenton et al.
6	20030009542		2003-01-09	Kasal et al.
7	20030055893		2003-03-20	Sato et al.
8	20030084449		2003-05-01	Chane et al.
9	20030154475		2003-08-14	Rodriguez et al.
10	20030167471		2003-09-04	Roth et al.
11	20040117844		2004-06-17	Karaoguz et al.

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12	20040136698		2004-07-15	Mock
13	20040148626		2004-07-29	Sakao et al.
14	20050049933		2005-03-03	Upendran et al.
15	20050235319		2005-10-20	Carpenter et al.
16	20060004914		2006-01-05	Kelly et al.
17	20060174260		2006-08-03	Gutta
18	20070157221		2007-07-05	Ou et al.
19	20070198532		2007-08-23	Krikorian et al.
20	20070214482		2007-09-13	Nguyen
21	20080127257		2008-05-29	Kvache
22	20080163292		2008-07-03	Stallworth

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23	20080189749		2008-08-07	White et al.
24	20090158334		2009-06-18	Rodriguez et al.
25	20100211975		2010-08-19	Boyer et al.
26	20130125158		2013-05-16	Brown
27	20070250864	A1	2007-10-25	Diaz Perez
28	20100138863	A1	2010-06-03	Diaz Perez
29	20100319040	A1	2010-12-16	Diaz Perez
30	20100325655	A1	2010-12-23	Diaz Perez
31	20110030012	A1	2011-02-03	Diaz Perez
32	20110030013	A1	2011-02-03	Diaz Perez
33	20130254804	A1	2013-09-26	Diaz Perez

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34	20130254809	A1	2013-09-26	Diaz Perez
35	20130254814	A1	2013-09-26	Diaz Perez
36	20150128192	A1	2015-05-07	Diaz Perez

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FOREIGN PATENT DOCUMENTS

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
	1	EP 1 164 796	EP	A1	2001-12-19	Astrium SAS		
	2	01/010124	WO	A1	2001-02-08	Sun Microsystems, Inc.		
	3	03/052572	WO	A1	2003-06-26	D'Souza et al.		

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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
	1	PTAB Decision Denying Institution of Covered Business Method Patent Review, 2015-04-01, CBM2014-00189, Hawaiian Telcom, Inc. v. Broadband iTV, Inc., re U.S. Patent 7,631,336	

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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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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	15192598
	Filing Date	2016-06-24
	First Named Inventor	Milton Diaz Perez
	Art Unit	2426
	Examiner Name	ALAM, Mushfikh I.
	Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

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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 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	20030163375	A1	2003-08-28	Dombrowski et al.		
	2	20060287916	A1	2006-12-21	Starr et al.		

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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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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 Signature	/MUSHFIKH I ALAM/	Date Considered	04/24/2017
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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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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	/Michael J. Sebba/	Date (YYYY-MM-DD)	2017-02-08
Name/Print	Michael J. Sebba	Registration Number	75,595

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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	First Named Inventor	Milton Diaz Perez
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	Examiner Name	ALAM, Mushfikh I.
	Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

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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 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	20020163532	A1	2002-11-07	Thomas et al.		

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Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)	

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Examiner Signature	/MUSHFETKH I ALAM/	Date Considered	04/24/2017
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Signature	/Tzvi Hirshaut/	Date (YYYY-MM-DD)	2016-12-15
Name/Print	Tzvi Hirshaut	Registration Number	38,732

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	Filing Date	2016-06-24
	First Named Inventor	Milton Diaz Perez
	Art Unit	2422
	Examiner Name	
	Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	5759101		1998-06-02	Von Kohorn	
	2	7058223		2006-06-06	Cox	
	3	7720707		2010-05-18	Mowry	
	4	8010988		2011-08-30	Cox	
	5	8020187		2011-09-13	Cox	
	6	8205237		2012-06-19	Cox	
	7	8214254		2012-07-03	Mowry	
	8	8219446		2012-07-10	Mowry	

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9	8249924		2012-08-21	Mowry	
10	5931901		1999-08-03	Wolfe	
11	6038591		2000-03-14	Wolfe	
12	6161142		2000-12-12	Wolfe	

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	1	20010049625		2001-12-06	Mowry	

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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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Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)	

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Examiner Signature	/MUSHFIKH I ALAM/	Date Considered	04/25/2017
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Signature	/Charles R. Macedo/	Date (YYYY-MM-DD)	2016-07-12
Name/Print	Charles R. Macedo	Registration Number	32781

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	First Named Inventor	Milton Diaz Perez
	Art Unit	2422
	Examiner Name	
	Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

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	7987492	B2	2011-07-26	Liverant et al.	
	2	8473868	B1	2013-06-25	Kauffman	

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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	20020152318	A1	2002-10-17	Menon et al.	

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FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ^{2j}	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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NON-PATENT LITERATURE DOCUMENTS

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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	6305016	B1	2001-10-16	Marshall et al.	
	2	6834110	B1	2004-12-21	Marconcini et al.	
	3	6898762	B2	2005-05-24	Ellis et al.	
	4	7100185	B2	2006-08-29	Bennington et al.	
	5	7213005	B2	2007-05-01	Mourad et al.	
	6	7277870	B2	2007-10-02	Mourad et al.	
	7	7945929	B2	2011-05-17	Knudson et al.	
	8	7974962	B2	2011-07-05	Krakirian et al.	

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9	9232275	B2	2016-01-05	Diaz Perez
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	1	20020184634	A1	2002-12-05	Cooper	
	2	20030018971	A1	2003-01-23	McKenna	
	3	20040205816	A1	2004-10-14	Barrett	
	4	20050097622	A1	2005-05-05	Zigmond et al.	
	5	20050160465	A1	2005-07-21	Walker	
	6	20050283800	A1	2005-12-22	Ellis et al.	
	7	20080072260	A1	2008-03-20	Rosin et al.	
	8	20150264440	A1	2015-09-17	Diaz Perez	

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9	20150358682	A1	2015-12-10	Diaz Perez
10	20150358683	A1	2015-12-10	Diaz Perez
11	20150358649	A1	2015-12-10	Diaz Perez

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Name/Print	Charles R. Macedo	Registration Number	32,781

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U.S.PATENTS	<input type="button" value="Remove"/>
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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	7801838	B2	2010-09-21	Colbath et al.	
	2	7801910	B2	2010-09-21	Houh et al.	
	3	7925973	B2	2011-04-12	Allaire et al.	
	4	9292866	B2	2016-03-22	Allaire et al.	

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	1	20070038567	A1	2007-02-15	Allaire et al.	
	2	20110191163	A1	2011-08-04	Allaire et al.	

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3	20110166918	A1	2011-07-07	Allaire et al.
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	1	WO 2007/021974	WO	A2	2007-02-22	Allaire		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	15192598
	Filing Date	2016-06-24
	First Named Inventor	Milton Diaz Perez
	Art Unit	2422
	Examiner Name	
	Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

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	6148081		2000-11-14	Szymanski et al.	
	2	7644429	B2	2010-01-05	Bayassi et al.	

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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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FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ^{2j}	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							

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NON-PATENT LITERATURE DOCUMENTS

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	1	Brief of Amici Curiae Broadband iTV, Inc., Double Rock Corporation, Island Intellectual Property, LLC, Access Control Advantage, Inc., and Fairway Financial U.S., Inc. In Support of Appellants, Netflix, Inc. v. Rovi Corporation et al., No. 2015-1917 (Fed. Cir. Dec. 18, 2015).	
	2	Consolidated Brief for Appellant Broadband iTV, Inc., Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 16-1082 (Fed. Cir. Jan. 21, 2016).	
	3	Amicus Brief of United Inventors Association of the United States of America in Support of Appellant Broadband iTV, Inc. and Reversal, Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 16-1082 (Fed. Cir. Jan. 27, 2016).	
	4	Amicus Brief by Tranxition, Inc., Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 16-1082 (Fed. Cir. Jan. 28, 2016).	

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Examiner Signature	<u>/MUSHFIKH I ALAM/</u>	Date Considered	04/25/2017
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Signature	/Charles R. Macedo/	Date (YYYY-MM-DD)	2016-07-12
Name/Print	Charles R. Macedo	Registration Number	32,781

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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	9055325	B2	2015-06-09	Gaydou et al.	

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U.S.PATENT APPLICATION PUBLICATIONS						Remove
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	20050166230	A1	2005-07-28	Gaydou et al.	
	2	20150281792	A1	2015-10-01	Gaydou et al.	

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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	7471834	B2	2008-12-30	Sull et al.	
	2	7624337	B2	2009-11-24	Sull et al.	

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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
	1	20020069218	A1	2002-06-06	Sull et al.	
	2	20030208756	A1	2003-11-06	Macrae et al.	

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FOREIGN PATENT DOCUMENTS							Remove
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²ⁱ	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear ^{T5}
	1	2002008948	WO	A2	2002-01-31	Sull et al.	

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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	7444402		2008-10-00	Rennels	
	2	7386512		2008-06-10	Allibhoy et al.	
	3	7426558		2008-09-16	Allibhoy et al.	
	4	7606883		2009-10-20	Allibhoy et al.	
	5	7962414		2011-06-14	Allibhoy et al.	

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	1	20020104099		2002-08-00	Novak	

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

Application Number	15192598
Filing Date	2016-06-24
First Named Inventor	Milton Diaz Perez
Art Unit	2422
Examiner Name	
Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

2	20060267995	2006-11-00	Radloff et al.
3	20050160458	2005-07-05	Baumgartner
4	20030037010	2003-02-00	Schmelzer

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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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Signature	/Charles R. Macedo/	Date (YYYY-MM-DD)	2016-07-12
Name/Print	Charles R. Macedo	Registration Number	32781

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	First Named Inventor	Milton Diaz Perez
	Art Unit	2422
	Examiner Name	
	Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	7028327		2006-04-11	Dougherty et al.	
	2	7089309		2006-08-08	Ramaley et al.	
	3	7200575		2007-04-03	Hans et al.	

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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
	1	20040172419	A1	2004-09-02	Morris et al.	
	2	20150237403	A1	2015-08-20	Diaz Perez	
	3	20150245099	A1	2015-08-27	Diaz Perez	

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Name/Print	Charles R. Macedo	Registration Number	32,781

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	Filing Date	2016-06-24
	First Named Inventor	Milton Diaz Perez
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	Examiner Name	
	Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

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	6269275		2001-07-31	Slade	
	2	7103906		2006-09-05	Katz et al.	
	3	7065709		2006-06-20	Ellis	
	4	7225455		2007-05-25	Bennington et al.	
	5	7493643		2009-02-17	Ellis	
	6	8112776		2012-02-07	Schein et al.	
	7	5991801		1999-11-23	Rebec et al.	
	8	5594936		1997-01-14	Rebec et al.	

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9	8340994		2012-12-25	Tota et al.
10	8090605		2012-01-03	Tota et al.
11	7308413		2007-12-11	Tota et al.
12	5550735		1996-08-27	Slade et al.
13	6317885		2001-11-13	Fries

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	1	9406084	WO	A1	1994-03-17	Datavision		

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2	9950778	WO	A1	1999-10-07	Slade	
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	1	VOD Metadata - Project Primer, Overview of VOD Content Specification 1.0, 1.1, and 2.0, published by Cable Labs, circa 2002-2007, http://www.cablelabs.com/projects/metadata/primer	
	2	VOD Capsule, issue dated April 11, 2006, includes article "Bresnan Taps CMC for VOD", published by Communications, Engineering & Design Magazine, http://www.cedmagazine.com/newsletter.aspx?id=67468	
	3	Comcast Media Center, Content Gateway, Content Distribution website, circa 2010, http://www.comcastmediacenter.com/content-gateway	

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	1	7269854	B2	2007-09-11	Simmons et al.	
	2	8464302	B1	2013-06-11	Liwerrant et al.	

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					

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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
	1	99/10822	WO	A1	1999-03-04	Veon, Inc.		
	2	99/41684	WO	A1	1999-08-19	FAST TV		

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		15192598
	Filing Date		2016-06-24
	First Named Inventor	Milton Diaz Perez	
	Art Unit	2422	
	Examiner Name		
	Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)	

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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
	1	VDO expands Webcasting possibilities, Broadcasting & Cable, Nov. 11, 1996.	
	2	Jose Alvear, "Web Developer.com Guide to Streaming Multimedia", Chapters 9 and 11, 1998.	
	3	Business Wire, "Ivex Announces ViewOps Internet Video Service; Allows Business Managers to View and Manage Operations Online," May 2, 2000.	

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EXAMINER SIGNATURE

Examiner Signature	/MUSHFIKH I ALAM/	Date Considered	04/25/2017
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Art Unit	2422	
Examiner Name		
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OR

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See attached certification statement.

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

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	/Charles R. Macedo/	Date (YYYY-MM-DD)	2016-07-12
Name/Print	Charles R. Macedo	Registration Number	32,781

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

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The 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).
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6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
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.
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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L7	8	725/74-104.ccls. and (bookmark tag save) with (view\$3 watch\$3) with later same (demand vod)	US-PGPUB; USPAT	OR	OFF	2017/04/25 16:17
L6	2	725/74-104.ccls. and (bookmark tag save) with (view\$3 watch\$3) with later same demand	US-PGPUB; USPAT	OR	OFF	2017/04/25 16:17
L5	74	725/74-104.ccls. and (bookmark tag save) with (view\$3 watch\$3) with later	US-PGPUB; USPAT	OR	OFF	2017/04/25 16:14
L3	47	725/\$.ccls. and wong.in. and token	US-PGPUB; USPAT	OR	OFF	2017/04/25 16:09
L2	903	wong.in. and token	US-PGPUB; USPAT	OR	OFF	2017/04/25 16:09
L1	1	"20040158855"	US-PGPUB; USPAT	OR	OFF	2017/04/25 16:08
S36	79	725/\$.ccls. and (multiple numerous many) with (provider source) same guide with display with source	US-PGPUB; USPAT	OR	ON	2017/04/25 14:24
S35	989	725/\$.ccls. and (multiple numerous many) with (provider source) same guide	US-PGPUB; USPAT	OR	ON	2017/04/25 14:23
S34	71	ellis.in. and "122" with box	US-PGPUB; USPAT	OR	OFF	2017/04/25 13:45
S33	300	ellis.in. and vod and guide	US-PGPUB; USPAT	OR	OFF	2017/04/25 13:39
S32	1	"20020004292"	US-PGPUB; USPAT	OR	OFF	2017/04/25 13:37
S31	0	"2002004292"	US-PGPUB; USPAT	OR	OFF	2017/04/25 13:37
S30	1	"20050021625"	US-PGPUB; USPAT	OR	OFF	2017/04/25 13:15

4/ 25/ 2017 4:49:06 PM

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<i>Index of Claims</i> 	Application/Control No. 15192598	Applicant(s)/Patent Under Reexamination PEREZ, MILTON DIAZ
	Examiner MUSHFIKH ALAM	Art Unit 2426

✓	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	04/24/2017								
	1	✓								
	2	✓								
	3	✓								
	4	✓								
	5	✓								
	6	✓								
	7	✓								
	8	✓								
	9	✓								
	10	✓								
	11	✓								
	12	✓								
	13	✓								
	14	✓								
	15	✓								
	16	✓								
	17	✓								

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	First Named Inventor	Milton Diaz Perez
	Art Unit	2422
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	Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

U.S.PATENTS

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	1							

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Application Number		15192598
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Art Unit	2422	
Examiner Name		
Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)	

1	Defendants Oceanic Time Warner Cable, LLC and Time Warner Cable Inc.'s Motion for Summary Judgment Regarding Invalidity of U.S. Patent No. 7,631,336 (ECF 474), Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 1:14-cv-00169 (D. Haw. Aug. 10, 2015) (5 pgs).
2	Memorandum in Support of Defendants Oceanic Time Warner Cable LLC and Time Warner Cable Inc.'s Motion for Summary Judgment Regarding Invalidity of U.S. Patent No. 7,631,336 (ECF 474-1), Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 1:14-cv-00169 (D. Haw. Aug. 10, 2015) (49 pgs).
3	Concise Statement of Facts in Support of Defendants Oceanic Time Warner Cable LLC and Time Warner Cable Inc.'s Motion for Summary Judgment Regarding Invalidity of U.S. Patent No. 7,631,336 (ECF 475), Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 1:14-cv-00169 (D. Haw. Aug. 10, 2015) (12 pgs).
4	Declaration of Nathan L. Brown (ECF 475-1), Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 1:14-cv-00169 (D. Haw. Aug. 10, 2015) (6 pgs).
5	Exhibits 1 (ECF 475-2), 4 (ECF 475-5), 5 (ECF 475-6), and 6 (ECF 475-7) to Concise Statement of Facts in Support of Defendants Oceanic Time Warner Cable LLC and Time Warner Cable Inc.'s Motion for Summary Judgment Regarding Invalidity of U.S. Patent No. 7,631,336, Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 1:14-cv-00169 (D. Haw. Aug. 10, 2015) (133 pgs).
6	Plaintiff's Opposition to Defendants Time Warner Cable, Inc. and Oceanic Time Warner Cable, LLC's Motion for Summary Judgment Regarding Invalidity of U.S. Patent No. 7,631,336 (ECF 561), Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 1:14-cv-00169 (D. Haw. Aug. 27, 2015) (52 pgs).
7	Plaintiff Broadband iTV, Inc.'s Concise Statement of Facts in Opposition to Defendants Oceanic Time Warner Cable and Time Warner Cable, Inc.'s Concise Statement of Facts (ECF 562), Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 1:14-cv-00169 (D. Haw. Aug. 27, 2015) (8 pgs).
8	Declaration of Keith A. Jones (ECF 562-1), Inc.'s Concise Statement of Facts, Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 1:14-cv-00169 (D. Haw. Aug. 27, 2015) (8 pgs).
9	Exhibits 1-10 (ECF 562-2 - ECF-11), 12 (ECF 562-13), 14 (ECF 562-15), 16-17 (ECF 562-17 - 562-18), and 19-20 (ECF 562-20 - 562-21) to Plaintiff Broadband iTV, Inc.'s Concise Statement of Facts in Opposition to Defendants Oceanic Time Warner Cable and Time Warner Cable, Inc.'s Concise Statement of Facts, Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 1:14-cv-00169 (D. Haw. Aug. 27, 2015) (508 pgs).

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U.S.PATENTS	<input type="button" value="Remove"/>
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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	5892536		1999-04-06	Logan et al.	
	2	6088455		2000-07-11	Logan et al.	
	3	6931451	B1	2005-08-16	Logan et al.	
	4	7055166	B1	2006-05-30	Logan et al.	
	5	8191098	B2	2012-05-29	Cooper et al.	

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	1	20020120925	A1	2002-08-29	Logan	

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2	20060015925	A1	2006-01-19	Logan
3	20060085830	A1	2006-04-20	Bruck et al.
4	20070016530	A1	2007-01-18	Stasi et al.
5	20070245399	A1	2007-10-18	Espelien

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	1	1 361 759	EP	A1	2003-11-12	Canal+ Technologies Societe Anonyme		

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NON-PATENT LITERATURE DOCUMENTS

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	1		

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EXAMINER SIGNATURE

Examiner Signature	/MUSHFIKH I ALAM/	Date Considered	04/25/2017
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Signature	/Charles R. Macedo/	Date (YYYY-MM-DD)	2016-07-12
Name/Print	Charles R. Macedo	Registration Number	32781

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	First Named Inventor	Milton Diaz Perez
	Art Unit	2422
	Examiner Name	
	Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

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	6845396	B1	2005-01-18	Kanojia et al.	
	2	7590997	B2	2009-09-15	Diaz Perez	
	3	7631336	B2	2009-12-08	Diaz Perez	
	4	7774819	B2	2010-08-10	Diaz Perez	
	5	9066118	B2	2015-06-23	Diaz Perez	
	6	9078016	B2	2015-07-07	Diaz Perez	
	7	9106959	B2	2015-08-11	Diaz Perez	
	8	9113228	B2	2015-08-18	Diaz Perez	

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	1	20020066106	A1	2002-05-30	Kanojia et al.	
	2	20070250864	A1	2007-10-25	Diaz Perez	
	3	20100138863	A1	2010-06-03	Diaz Perez	
	4	20100319040	A1	2010-12-16	Diaz Perez	
	5	20100325655	A1	2010-12-23	Diaz Perez	
	6	20110030012	A1	2011-02-03	Diaz Perez	
	7	20110030013	A1	2011-02-03	Diaz Perez	
	8	20130254804	A1	2013-09-26	Diaz Perez	
	9	20130254809	A1	2013-09-26	Diaz Perez	

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10	20130254814	A1	2013-09-26	Diaz Perez
11	20150128192	A1	2015-05-07	Diaz Perez

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FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²ⁱ	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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	1		

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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	7548565		2009-06-00	Sull et al.	
	2	8006263		2011-08-23	Ellis et al.	
	3	8644354		2014-02-04	George et al.	

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	1	20040158855		2004-08-00	Gu et al.	
	2	20050138560		2005-06-23	Lee et al.	
	3	20100153999		2010-06-17	Yates	

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4	20060155850	2006-07-13	Ma et al.
5	20080163330	2008-07-03	Sparrell
6	20040049788	2004-03-11	Mori et al.
7	20040015989	2004-01-02	Kaizu et al.

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	1	Patent Owner's Preliminary Response, 2015-01-02, CBM2014-00189, Hawaiian Telecom, Inc. v. Broadband iTV, Inc., re U.S. Patent 7,631,336	
	2	Decision Denying Institution of Inter Partes Review, 2015-01-05, IPR2014-01222, Unified Patents v. Broadband iTV, Inc., re U.S. Patent 7,631,336	

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	1	20020092019		2002-07-11	Marcus Dwight	
	2	20050160458		2005-07-21	Baumgartner	

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	1	WO01038960	IE		2001-05-31	Future TV		
	2	WO01022688	WO		2001-03-29	Streaming 21		

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3	JP Publ 11-150692	JP	1999-06-02	Sony
4	JP Publ 03-116121	JP	2003-04-18	Matsushita
5	JP Publ 07-284035	JP	1995-10-27	Toshiba

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	1	International Search Report, dated 03/06/2006, in PCT International Application US2005/027376, of Broadband iTV, Inc.	
	2	International Search Report, dated 09/15/2009, in PCT International Application US2008/003341, of Broadband iTV, Inc.	
	3	International Search Report, dated 11/28/2008, in PCT International Application US2008/007980, of Broadband iTV, Inc.	

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Signature	/Charles R. Macedo/	Date (YYYY-MM-DD)	2016-07-12
Name/Print	Charles R. Macedo	Registration Number	32781

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	First Named Inventor	Milton Diaz Perez
	Art Unit	2422
	Examiner Name	
	Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	5826102		1998-10-20	Escobar	
	2	6564380		2003-05-13	Murphy	
	3	6738978		2004-05-18	Hendricks	
	4	6357042		2002-03-13	Srinivasan	
	5	6237146		2001-05-22	Richards	
	6	6049823		2000-04-11	Hwang	
	7	5914746		1999-06-22	Matthews	
	8	5867821		1999-02-02	Ballantyne	

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9	5859898		1999-01-12	Checco	
10	5790176		1998-08-04	Craig	

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	1	20020083451		2002-06-27	Gill	
	2	20020087661		2002-07-04	Matichuk et al.	
	3	20010033736		2001-10-25	Yap	
	4	20020059621		2002-05-06	Thomas et al.	
	5	20020138844		2002-09-26	Otenasek	
	6	20030154128		2003-08-14	Liga	
	7	20030167449		2003-09-04	Warren	

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8	20030204856		2003-10-30	Buxton
9	20030226150		2003-12-04	Berberet
10	20040015998		2004-01-22	Bokor
11	20040078825		2004-04-22	Murphy
12	20020078456		2002-06-20	Hudson
13	20030234819		2003-12-25	Daly
14	20030191816		2003-10-09	Landress
15	20040133918		2004-07-08	Danker
16	20040268250		2004-12-30	Danker
17	20050044577		2005-02-24	Jerding
18	20050050218		2005-03-03	Sheldon

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19	20050081237		2005-04-14	Chen
20	20050097623		2005-05-05	Tecot
21	20050154679		2005-07-14	Bielak
22	20050193015		2005-09-01	Logston
23	20050239546		2005-10-27	Hedrick
24	20060029093		2006-02-09	Van Rossum
25	20060123455		2006-06-08	Pai

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	1	7120925		2006-10-10	D'Souza et al.	
	2	7222163		2007-05-22	Girouard et al.	
	3	7337462		2008-02-26	Dudkiewicz et al.	
	4	6177931		2001-01-01	Alexander et al.	
	5	6754904		2004-06-01	Cooper et al.	
	6	6774926		2004-08-01	Ellis et al.	

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1	20040073919		2004-04-15	Gutta et al.
2	20040268413		2004-12-30	Reid et al.
3	20050210524		2005-09-22	Dolph
4	20050229209		2005-10-13	Hildebolt et al.
5	20050246752		2005-11-03	Liwera et al.
6	20020083451		2002-06-27	Gill et al.
7	20020087661		2002-07-04	Matichuk et al.
8	20080141325		2008-06-01	Ludvig et al.

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	1	THE INDUSTRY STANDARD, "Web Entertainment Gets Personal", Jan 10, 2000, www.thestandard.com	
	2	AFFIDAVIT OF MILTON DIAZ PEREZ UNDER C.F.R. 132, 03-09-2009, submitted in U.S. Patent Application 10/909,192, filed 07-03-2004	
	3	Affidavit of Milton Diaz Perez, Ex. A, WIKIPEDIA, "Cable Television in the United States", history, last modified 01/17/2009, pp. 1-7, http://en.wikipedia.org/wiki/Cable_Television_in_the_United_States	
	4	Affidavit of Milton Diaz Perez, Ex. B, WIKIPEDIA, "Internet Television", history, last modified 02/05/2009, pp. 1-4, http://en.wikipedia.org/wiki/Internet_TV	
	5	Affidavit of Milton Diaz Perez, Ex. C, WIKIPEDIA, "Content Delivery Network", history, last modified 02/10/2009, pp. 1-6, http://en.wikipedia.org/wiki/Content_Delivery_Network	
	6	Affidavit of Milton Diaz Perez, Ex. D, WIKIPEDIA, "Walled Garden (technology)", history, last modified 02/03/2009, pp. 1-2, http://en.wikipedia.org/wiki/Walled_Garden_(technology)	
	7	Affidavit of Milton Diaz Perez, Ex. E, WIKIPEDIA, "User-generated TV", history, last modified 02/10/2009, pp. 1-2, http://en.wikipedia.org/wiki/User-generated_TV	
	8	Affidavit of Milton Diaz Perez, Ex. E1, WIKIPEDIA, "ZeD", history, last modified 01/05/2009, pp. 1-7, http://en.wikipedia.org/wiki/ZeD	
	9	Affidavit of Milton Diaz Perez, Ex. E2, WIKIPEDIA, "Current TV", history, last modified 02/05/2009, pp. 1-5, http://en.wikipedia.org/wiki/Current_TV	

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10	Affidavit of Milton Diaz Perez, Ex. E3, OUTLOUD.TV, tripatlas, circa 2003, http://tripatlas.com/Outloud.tv
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	15192598
	Filing Date	2016-06-24
	First Named Inventor	Milton Diaz Perez
	Art Unit	2422
	Examiner Name	
	Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

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	1	20020147975	A1	2002-10-10	Seo		
	2	20050149987	A1	2005-07-07	Boccon-Gibod et al.		
	3	20050289151	A1	2005-12-29	Burke		

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	1	EPO Communication for European Application No. 08726793.6, dated May 30, 2016.	
	2	EPO Communication for European Application No. 08768802.4, dated May 30, 2016.	

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

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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	/Charles R. Macedo/	Date (YYYY-MM-DD)	2016-07-12
Name/Print	Charles R. Macedo	Registration Number	32,781

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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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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.
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	1	6100883		2000-08-08	Hoarty	
	2	6205582	B1	2001-03-20	Hoarty	
	3	7650621	B2	2010-01-19	Thomas et al.	
	4	7690020	B2	2010-03-30	Lebar	
	5	7926079	B2	2011-04-12	Lebar	
	6	8843978	B2	2014-09-23	Hardin	
	7	8997136	B2	2015-03-31	Brooks et al.	
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	1	20070016530	A1	2007-01-18	Stasi et al.	

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	1	TimeWarner, Time Warner Cable Launches Quick Clips, http://www.timewarner.com/newsroom/press-releases/2006/09/28/time-warner-cable-launches-quick-clips (published Sept. 28, 2006, last visited June 26, 2015).	
	2	Time Warner Cable, Photos & Video Go from Digital Cameras to Television with Free, New Time Warner Cable Product, http://www.timewarnercable.com/en/about-us/press/photos_video_go_fromdigitalcamerastotelevisionwithfreenewtimewar.html (published Apr. 27, 2007, last visited June 26, 2015).	

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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	5850218		1998-12-15	LaJoie et al.	
	2	5956716		1999-09-21	Kenner et al.	
	3	7103905		2006-09-05	Novak	
	4	7155674		2006-12-26	Breen et al.	
	5	7392532		2008-06-24	White et al.	
	6	7516472		2009-04-07	Danker et al.	
	7	7761899		2010-07-20	Buehl et al.	
	8	7908626		2011-03-15	Williamson et al.	

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9	7921448		2011-04-05	Fickle et al.
10	8042132		2011-10-18	Carney et al.
11	8151290		2012-04-03	Ujihara
12	8365230		2013-01-29	Chane et al.
13	8434118		2013-04-30	Gonder et al.
14	8707354		2014-04-22	Moreau et al.

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	1	20020184635		2002-12-05	Istvan	
	2	20030093790		2003-05-15	Logan et al.	
	3	20040103120		2004-05-27	Fickle et al.	

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4	20050188415	2005-08-25	Riley
5	20050240961	2005-10-27	Jerding et al.

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	1	01/10127	WO	A1	2001-02-08	Liwerant		

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	1	Adams, Open Cable Architecture (Cisco Press 2000), Chapter 8-16.	
	2	ATSC Standard: Program and System Information Protocol for Terrestrial Broadcast and Cable (PSIP) (December 23, 1997).	
	3	Attack of the \$500 Killer Network Computers: Time-Warner Cable's Full Service Network, Network Computing (August 19, 2000) Internet Archive, https://web.archive.org/web/20000819050301/http://www.networkcomputing.com/616/616tw.html .	
	4	CableLabs Video-On-Demand Asset Distribution Interface Specification, Version 1.1 (September 27, 2002).	

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5	CableLabs Video-On-Demand Content Specification Version 1.1 (January 7, 2004).
6	Declaration of Milton Diaz Perez, Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 14-cv-00169-ACK-KSC (D. Haw. March 2, 2015).
7	Defendants' Joint Preliminary Invalidity Contentions, Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 14-cv-00169-ACK-KSC (D. Haw. February 20, 2015).
8	Exhibit A, Defendants' Joint Preliminary Invalidity Contentions, Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 14-cv-00169-ACK-KSC (D. Haw. February 20, 2015).
9	Exhibit B, Defendants' Joint Preliminary Invalidity Contentions, Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 14-cv-00169-ACK-KSC (D. Haw. February 20, 2015).
10	Exhibit C, Defendants' Joint Preliminary Invalidity Contentions, Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 14-cv-00169-ACK-KSC (D. Haw. February 20, 2015).
11	Exhibit E, Defendants' Joint Preliminary Invalidity Contentions, Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 14-cv-00169-ACK-KSC (D. Haw. February 20, 2015).
12	Exhibit F, Defendants' Joint Preliminary Invalidity Contentions, Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 14-cv-00169-ACK-KSC (D. Haw. February 20, 2015).
13	Exhibit G, Defendants' Joint Preliminary Invalidity Contentions, Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al., No. 14-cv-00169-ACK-KSC (D. Haw. February 20, 2015).
14	Fickle et al., U.S. Provisional Patent Application Serial No. 60/429,966 (November 27, 2002).
15	Full Service Network and The Orlando Sentinel add interactive dining guide to GOtv, The Free Library, http://www.thefreelibrary.com/Full+Service+Network+and+The+Orlando+Sentinel+add+interactive+dining...+a018299720 (published May 20, 1996, last visited March 4, 2015).

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16	Full Service Network(FSN) in Orlando, Florida, Hong Kong University of Science and Technology (May 4, 1997) Internet Archive, https://web.archive.org/web/19970504203603/http://www.ust.hk/~webiway/content/USA/Trial/fsn.html .
17	Full Service Network, Time Warner Cable, http://m.history.timewarnercable.com/the-twc-story/era-1990-1995/Story.aspx?story=56 (last visited March 4, 2015).
18	Full Service Network, Wikipedia, http://en.wikipedia.org/w/index.php?title=Full_Service_Network&printable=yes (last visited March 4, 2015).
19	Tanenbaum, Computer Networks, 4th ed. (Prentice Hall PTR 2003), pgs. 1-14.
20	Time Warner Cable, DRAFT Asset Distribution System ("Catcher's Mitt") Functional Requirements, Version 1.0 (January 26, 2000).
21	Time Warner Cable, ISA Data Download Delivery, Version 0.5 (June 3, 2004).
22	Time Warner Cable, Pegasus Interactive Services Architecture, Version 1.4 (June 5, 2003).
23	Time Warner Cable, The ISA Tutorial, Version 1.0 (September 13, 2003).
24	Time Warner Cable's Full Service Network connects live to Innoventions, AllBusiness (published April 10, 1996, archived March 25, 2008) Internet Archive, https://web.archive.org/web/20080325024937/http://www.allbusiness.com/media-telecommunications/telecommunications/7218809-1.html .
25	Time Warner introduces world's first full service network in Orlando; Network offers First..., AllBusiness (published December 14, 1994, archived May 22, 2009) Internet Archive, https://web.archive.org/web/20090522134441/http://www.allbusiness.com/media-telecommunications/telecommunications/7087127-1.html .
26	Time Warner will close its Full Service Network, Orlando Business Journal, http://www.bizjournals.com/orlando/stories/1997/04/28/daily7.html (last visited March 4, 2015).

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Art Unit	2422
Examiner Name	
Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

27	Time Warner's 'Time Machine' for Future Video, The New York Times, http://www.nytimes.com/.../12/business/time-warner-s-time-machine-for-future-video.html?pagewanted=2&pagewanted=print (published December 12, 1994, last visited March 4, 2015).
28	Time Warner Cable, Request For Proposal and Functional Requirements Specification for Video-On-Demand (VOD) Systems, Version 2.0 (April 25, 1997).
29	Time Warner Cable, Pegasus Movies On Demand Content Specification, Version 1.3 (September 29, 2000).
30	Time Warner Cable, Pegasus Overall Flow: Movie Delivery, Version 1.0 (February 18, 2004).

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

EXAMINER SIGNATURE

Examiner Signature	/MUSHFIKH I ALAM/	Date Considered	04/25/2017
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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	15192598
	Filing Date	2016-06-24
	First Named Inventor	Milton Diaz Perez
	Art Unit	2422
	Examiner Name	
	Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

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See attached certification statement.

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A certification statement is not submitted herewith.

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Signature	/Charles R. Macedo/	Date (YYYY-MM-DD)	2016-07-12
Name/Print	Charles R. Macedo	Registration Number	32,781

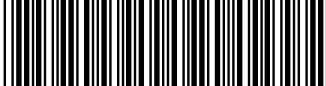
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Search Notes 	Application/Control No. 15192598	Applicant(s)/Patent Under Reexamination PEREZ, MILTON DIAZ
	Examiner MUSHFIKH ALAM	Art Unit 2426

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
725	74-104	4/24/2017	MA

SEARCH NOTES		
Search Notes	Date	Examiner
Inventor Search	4/24/2017	MA
725/74-104 - limited by text search	4/24/2017	MA
725 - limited by text search	4/24/2017	MA

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	15192598
	Filing Date	2016-06-24
	First Named Inventor	Milton Diaz Perez
	Art Unit	2426
	Examiner Name	ALAM, MUSHFIKH I.
	Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

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	6476826	B1	2002-11-05	Plotkin et al.	
	2	6446083	B1	2002-09-03	Leight et al.	

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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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FOREIGN PATENT DOCUMENTS

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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NON-PATENT LITERATURE DOCUMENTS

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		15192598
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	Attorney Docket Number		BBiTV-CIP1-D9 (07612/58)

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	Notice of Entry of Judgment Without Opinion for Case No. 2016-1082 of the United States Court of Appeals for the Federal Circuit dated September 26, 2016.	
	2	Judgment, Broadband iTV, Inc. v. Hawaiian Telcom, Inc., Oceanic Time Warner Cable, LLC and Time Warner Cable, Inc., Nos. 2016-1082, 2016-1083 (CAFC Sept. 26, 2016) (2 pgs).	
	3	Affidavit of Milton Diaz Perez Under 37 C.F.R. 132, 01-20-2012, submitted in U.S. Patent Application 11/768,895.	

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EXAMINER SIGNATURE

Examiner Signature	/MUSHFIKH I ALAM/	Date Considered	04/25/2017
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Signature	/Tzvi Hirshaut/	Date (YYYY-MM-DD)	2016-10-14
Name/Print	Tzvi Hirshaut	Registration Number	38,732

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	Art Unit	2422
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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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U.S.PATENT APPLICATION PUBLICATIONS

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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

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Filing Date	2016-06-24	
First Named Inventor	Milton Diaz Perez	
Art Unit	2422	
Examiner Name		
Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)	

1	ORDER GRANTING IN PART AND DENYING IN PART DEFENDANTS OCEANIC TIME WARNER CALBE, LLC AND TIME WARNER CABLE, INC.'S MOTION FOR SUMMARY JUDGMENT REGARDING INVALIDITY OF U.S. PATENT NO. 7,631,336, Broadband iTV, Inc. v. Oceanic Time Warner Cable, LLC and Time Warner Cable, Inc., No. 15-00131 (D. Haw. Sept. 29, 2015) (77 pgs).
2	Judgment, Broadband iTV, Inc. v. Oceanic Time Warner Cable, LLC and Time Warner Cable, Inc., No. 15-00131 (D. Haw. Sept. 29, 2015) (2 pgs).
3	PLAINTIFF'S NOTICE OF APPEAL; CERTIFICATE OF SERVICE, Broadband iTV, Inc. v. Oceanic Time Warner Cable, LLC and Time Warner Cable, Inc., No. 15-00131 (D. Haw. Oct. 9, 2015) (4 pgs).
4	ORDER GRANTING DEFENDANT HAWAIIAN TELCOM, INC.'S MOTION FOR SUMMARY JUDGMENT OF INVALIDITY UNDER 35 U.S.C. § 101, Broadband iTV, Inc. v. Hawaiian Telcom, Inc., No. 14-00169 (D. Haw. Sept. 29, 2015) (43 pgs).
5	Judgment, Broadband iTV, Inc. v. Hawaiian Telcom, Inc., No. 14-00169 (D. Haw. Sept. 29, 2015) (2 pgs).
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Doc Code: DIST.E.FILE Document Description: Electronic Terminal Disclaimer - Filed		PTO/SB/26 U.S. Patent and Trademark Office Department of Commerce
Electronic Petition Request	TERMINAL DISCLAIMER TO OBTAIN A DOUBLE PATENTING REJECTION OVER A "PRIOR" PATENT	
Application Number	15192598	
Filing Date	24-Jun-2016	
First Named Inventor	Milton Perez	
Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)	
Title of Invention	SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM CONTENT ON TV SERVICES PLATFORM OF A DIGITAL TV SERVICES PROVIDER	
<input checked="" type="checkbox"/> Filing of terminal disclaimer does not obviate requirement for response under 37 CFR 1.111 to outstanding Office Action <input checked="" type="checkbox"/> This electronic Terminal Disclaimer is not being used for a Joint Research Agreement.		
Owner	Percent Interest	
Broadband iTV, Inc.	100%	
<p>The owner(s) with percent interest listed above in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of prior patent number(s)</p> <p>9113228</p> <p>as the term of said prior patent is presently shortened by any terminal disclaimer. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the prior patent are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.</p> <p>In making the above disclaimer, the owner does not disclaim the terminal part of the term of any patent granted on the instant application that would extend to the expiration date of the full statutory term of the prior patent, "as the term of said prior patent is presently shortened by any terminal disclaimer," in the event that said prior patent later:</p> <ul style="list-style-type: none"> - expires for failure to pay a maintenance fee; - is held unenforceable; - is found invalid by a court of competent jurisdiction; - is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321; - has all claims canceled by a reexamination certificate; - is reissued; or - is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer. <p><input checked="" type="radio"/> Terminal disclaimer fee under 37 CFR 1.20(d) is included with Electronic Terminal Disclaimer request.</p>		

I certify, in accordance with 37 CFR 1.4(d)(4), that the terminal disclaimer fee under 37 CFR 1.20(d) required for this terminal disclaimer has already been paid in the above-identified application.

Applicant claims the following fee status:

- Small Entity
- Micro Entity
- Regular Undiscounted

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

THIS PORTION MUST BE COMPLETED BY THE SIGNATORY OR SIGNATORIES

I certify, in accordance with 37 CFR 1.4(d)(4) that I am:

- An attorney or agent registered to practice before the Patent and Trademark Office who is of record in this application

Registration Number 32781

- A sole inventor
- A joint inventor; I certify that I am authorized to sign this submission on behalf of all of the inventors as evidenced by the power of attorney in the application
- A joint inventor; all of whom are signing this request

Signature	/Charles R. Macedo/
Name	Charles R. Macedo

*Statement under 37 CFR 3.73(b) is required if terminal disclaimer is signed by the assignee (owner).
Form PTO/SB/96 may be used for making this certification. See MPEP § 324.

Electronic Patent Application Fee Transmittal

Application Number:	15192598			
Filing Date:	24-Jun-2016			
Title of Invention:	SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM CONTENT ON TV SERVICES PLATFORM OF A DIGITAL TV SERVICES PROVIDER			
First Named Inventor/Applicant Name:	Milton Diaz Perez			
Filer:	Charles R. Macedo/Victoria Gilmore			
Attorney Docket Number:	BBitV-CIP1-D9 (07612/58)			
Filed as Small Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
STATUTORY OR TERMINAL DISCLAIMER	2814	1	160	160
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				160

Doc Code: DISQ.E.FILE

Document Description: Electronic Terminal Disclaimer – Approved

Application No.: 15192598

Filing Date: 24-Jun-2016

Applicant/Patent under Reexamination: Perez

Electronic Terminal Disclaimer filed on July 28, 2017

APPROVED

This patent is subject to a terminal disclaimer

DISAPPROVED

Approved/Disapproved by: Electronic Terminal Disclaimer automatically approved by EFS-Web

U.S. Patent and Trademark Office

Electronic Acknowledgement Receipt

EFS ID:	29922878
Application Number:	15192598
International Application Number:	
Confirmation Number:	1328
Title of Invention:	SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM CONTENT ON TV SERVICES PLATFORM OF A DIGITAL TV SERVICES PROVIDER
First Named Inventor/Applicant Name:	Milton Diaz Perez
Customer Number:	1912
Filer:	Charles R. Macedo/Victoria Gilmore
Filer Authorized By:	Charles R. Macedo
Attorney Docket Number:	BBiTV-CIP1-D9 (07612/58)
Receipt Date:	28-JUL-2017
Filing Date:	24-JUN-2016
Time Stamp:	16:42:33
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	\$160
RAM confirmation Number	073117INTEFSW00003409011785
Deposit Account	
Authorized User	

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

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Terminal Disclaimer-Filed (Electronic)	eTerminal-Disclaimer.pdf	33471 5a32dbf71b96f4e9d3e9a60e783f362129d97e9a	no	2

Warnings:**Information:**

2	Fee Worksheet (SB06)	fee-info.pdf	30574 64176bf79b38df426f5e05f5abbdd60be772f05d	no	2
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Warnings:**Information:****Total Files Size (in bytes):**

64045

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

Application No. : 15/192,598 Confirmation No. 1328
Inventor : Milton Diaz Perez
Filed : June 24, 2016
TC/A.U. : 2426
Title : SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM
CONTENT ON TV SERVICES PLATFORM OF A DIGITAL TV
SERVICES PROVIDER
Examiner : Mushfikh Alam
Docket No. : BBiTV-CIP1-D9 (07612/58)
Customer No. : 1912

RESPONSE TO OFFICE ACTION OF MAY 2, 2017

Mail Stop: Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the non-final Office Action dated May 2, 2017, please amend the above-identified application as follows:

Amendments to the Claims begin on page 2 of this paper.

Remarks begin on page 6 of this paper.

In view of the amendments and remarks, prompt and favorable reconsideration of this Application is respectfully requested. If, however, the Examiner believes that there are any unresolved issues, or believes that the Application is not in condition for Allowance, Applicant respectfully requests that the Examiner contact the undersigned to schedule a telephonic Examiner Interview before any further Actions on the merits.

659534.1

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) An Internet-connected digital device for receiving via the Internet video content to be viewed by a subscriber of a video-on-demand system using a hierarchically arranged electronic program guide,

the Internet-connected digital device being configured to obtain and present to the subscriber an electronic program guide as a templated video-on-demand display, which uses at least one of a plurality of different ~~video~~ display templates to which the Internet-connected digital device has access, to enable a subscriber using the Internet-connected digital device to navigate in a drill-down manner through titles by category information in order to locate a particular one of the titles whose associated video content is desired for viewing on the Internet-connected digital device using the same category information as was designated by a video content provider in metadata associated with the video content;

wherein the templated video-on-demand display has been generated in a plurality of layers, comprising:

(a) a first layer comprising a background screen to provide at least one of a basic color, logo, or graphical theme to display;

(b) a second layer comprising a particular ~~video~~ display template from the plurality of different ~~video~~ display templates layered on the background screen, wherein the particular ~~video~~ display template comprises one or more reserved areas that are reserved for displaying content provided by a different layer of the plurality of layers; and

(c) a third layer comprising reserved area content generated using the received video content, the associated metadata, and the associated plurality of images to be displayed in the one or more reserved areas in the particular ~~video~~ display template as at least one of text, an image, a navigation link, and a button,

wherein the received video content was uploaded to a Web-based content management system by a content provider device associated with the video content provider via the Internet in a digital video format, along with associated metadata including title information and category information, and along with an associated plurality of images designated by the video content provider, the associated metadata specifying a respective hierarchical location of a respective

title of the video content within the electronic program guide to be displayed on the Internet-connected digital device using the respective hierarchically-arranged category information associated with the respective title,

wherein at least one of the uploaded associated plurality of images designated by the video content provider is displayed with the associated respective title in the templated video-on-demand display.

2. (Original) The Internet-connected digital device of claim 1, wherein the associated plurality of images that are received includes at least one of graphic, video and audio elements.

3. (Currently Amended) The Internet-connected digital device of claim 1, wherein the plurality of different ~~video~~ display templates for display with the electronic program guide are used to locate the particular one of the titles in a drill-down manner from a first level of a hierarchical structure of the electronic program guide to a second level of the hierarchical structure of the electronic program guide, wherein a first of the plurality of different ~~video~~ display templates is used for displaying the first level of the electronic program guide and wherein a second of the plurality of different ~~video~~ display templates is used for displaying the second level of the electronic program guide.

4. (Currently Amended) The Internet-connected digital device of claim 1, wherein at least a first video display template of the plurality of different ~~video~~ display templates is associated with at least the video content provider.

5. (Original) The Internet-connected digital device of claim 1, wherein the associated metadata includes descriptive data about the video content.

6. (Original) The Internet-connected digital device of claim 1, wherein the one or more category terms associated with the first video-on-demand program content correspond to one or more topics that pertain to video-on-demand program content from more than one content provider.

7. (Original) The Internet-connected digital device of claim 1, wherein the one or more category terms associated with the first video-on-demand program content correspond to one or more content providers and wherein the hierarchically arranged electronic program guide is organized according to the content provider.

8. (Original) The Internet-connected digital device of claim 1, wherein the Internet-connected digital device is a set top box.

9. (Original) The Internet-connected digital device of claim 1, wherein the Internet-connected digital device uses the Internet Protocol.

10. (Original) The Internet-connected digital device of claim 1, wherein the Internet-connected digital device is configured to be used with an Internet Protocol TV (IPTV) system.

11. (Original) The Internet-connected digital device of claim 1, wherein the Internet-connected digital device is a digital phone.

12. (Original) The Internet-connected digital device of claim 1, wherein the Internet-connected digital device is a personal digital assistant (PDA).

13. (Original) The Internet-connected digital device of claim 1, wherein the Internet-connected digital device is a media player.

14. (Original) The Internet-connected digital device of claim 1, wherein the Internet-connected digital device is a game console.

15. (Original) The Internet-connected digital device of claim 1, wherein the Internet-connected digital device is further configured to receive a selection from the subscriber to bookmark a selected title and to store an electronic guide location address for the video-on-demand program associated with the selected title as an electronic bookmark for later viewing.

16. (Original) The Internet-connected digital device of claim 15, wherein the Internet-connected digital device is further configured to send the electronic bookmark from the Internet-connected digital device to a second Internet-connected digital device.

17. (Original) The Internet-connected digital device of claim 15, wherein the Internet-connected digital device is further configured to transmit an email including the stored electronic bookmark to an email address of a user on the Internet.

REMARKS

Claims 1-17 are currently pending. By this amendment, claims 1, 3 and 4 are amended and the remaining claims are unchanged. Claim 1 is an independent claim. Support for this Amendment is found at least at ¶¶ 27 and 35 and FIG. 1C of the Specification.

In view of the amendments and remarks, prompt and favorable reconsideration of this Application is respectfully requested. **If, however, the Examiner believes that there are any unresolved issues, or believes that the Application is not in condition for Allowance, Applicant respectfully requests that the Examiner contact the undersigned to schedule a telephonic Examiner Interview before any further Actions on the merits.**

1. Summary of Examiner Interview

Applicant would like to thank Examiner Alam for the courtesies extended to Applicant's representative Charles R. Macedo during a telephonic interview conducted on July 26, 2017. During the interview, Applicant's representative discussed with the Examiner the amendment of claim 1 presented herein. The Examiner stated that the claim amendment overcame the cited prior art, but that the Examiner would conduct a further search.

2. Provisional Terminal Disclaimer

Claims 1-17 are rejected on the ground of nonstatutory double patenting as unpatentable over claims 23-44 of U.S. Patent No. 9,113,228 in view of Ellis. Applicant submits herewith a terminal disclaimer that disclaims the terminal part of the statutory term of any patent granted on this application that would extend beyond the expiration of U.S. Patent No. 9,113,228. This terminal disclaimer is in addition to a terminal disclaimer previously submitted for this application on February 8, 2017.

3. Consideration of Additional Information Disclosure Statements

Applicant requests that the Examiner please review and indicate his consideration of two Information Disclosure Statements (IDS) filed herewith for the present application.

4. The Claims Define Patentable Subject Matter

The Office Action has rejected the pending claims on various bases. Claims 1-6, and 8-14 are rejected under 35 U.S.C. § 103(a) as obvious over a combination of U.S. Patent Application Publication No. 2002/0104099 (Novak) in view of U.S. Patent Application Publication No. 2002/0042921 (Ellis). Claim 7 is rejected under 35 U.S.C. § 103(a) as obvious over the combination of Novak, Ellis, and U.S. Patent No. 6,910,191 (Seegerberg). Claims 11 and 12 are rejected as under 35 U.S.C. § 103(a) as obvious over the combination of Novak, Ellis, and U.S. Patent Application Publication No. 2004/0158855 (Gu). Claim 15 is rejected under 35 U.S.C. § 103(a) as obvious over the combination of Novak, Ellis, and U.S. Patent Application Publication No. 2002/0007485 (Rodriguez). Claims 16 and 17 are rejected under 35 U.S.C. § 103(a) as obvious over the combination of Novak, Ellis, Rodriguez, and U.S. Patent Application Publication No. 2007/0277201 (Wong). Claims 1-17 are also rejected on the ground of nonstatutory double patenting as unpatentable over claims 23-44 of U.S. Patent No. 9,113,228 in view of Ellis.

Applicant respectfully submits that the amendments and accompanying remarks presented herewith overcome the prior art of record. **To the extent the Examiner disagrees, Applicant requests that the Examiner contact Applicant's representative for a telephone interview before issuing the next office action.**

The present invention is directed to an Internet-connected digital device for providing video content to a subscriber via a closed, video-on-demand system. A hierarchically arranged

electronic program guide is presented to the subscriber on the Internet-connected digital device as a multi-layered, templated display that is navigable in a drill-down manner through titles by category information. The video content to be viewed on the Internet-connected digital device was uploaded to a Web-based content management system by a content provider device associated with the video content provider via the Internet in a digital video format, along with associated metadata including title information, category information, and an associated plurality of images designated by the video content provider. At least one of the uploaded associated plurality of images designated by the video content provider is displayed with the associated respective title in the templated video-on-demand display.

Significantly, the Office Action does not address the complete limitation in claim 1, before amendment, as the claim requires as part of the uploaded content “an associated plurality of images designated *by the video content provider.*” (Emphasis added). While the Office Action points to Fig. 13+ of Ellis as showing images that are uploaded by the video content provider, the images on the screens of these figures are advertisements that are unrelated to the displayed video content and would **not** be uploaded by the video content provider. Therefore, Applicant submits that the combination of Novak and Ellis is insufficient to serve as a basis for rejection of claim 1.

To reinforce this distinction, Applicant has added to claim 1 a recitation that at least one of the uploaded associated plurality of images designated by the video content provider is displayed with the associated respective title in the templated video-on-demand display. This is neither taught nor suggested by Novak or Ellis, either alone or in combination.

For at least these reasons, Applicant submits that amended claim 1 and claims dependent thereon are allowable. Withdrawal of the rejections of the claims and allowance of the

application is respectfully requested.

Status of Related Applications

The below chart provides information regarding related issued patents and co-pending applications filed by the present applicant:

APPLICATION SERIAL NO.	ATTORNEY DOCKET NO.	FILING DATE	STATUS
10/909,192	P1 07612/4	2004-07-30	Issued as U.S. Patent No. 7,590,997
11/952,552	P1-D1 07612/5	2007-12-07	Issued as U.S. Patent No. 7,774,819
12/852,663	P1-D2 07612/6	2010-08-09	Issued as U.S. Patent No. 9,078,016
13/830,872	P1-D3 07612/27	2013-03-14	Issued as U.S. Patent No. 9,066,118
14/598,633	P1-D4 07612/35	2015-01-16	Issued as U.S. Patent No. 9,106,959
14/703,597	P1-D5 07612/36	2015-01-05	Issued as U.S. Patent No. 9,232,275
14/706,721	P1-D6 07612/37	2015-05-07	Issued as U.S. Patent No. 9,338,511
14/978,881	P1-D7 07612/45	2015-12-22	Issued as U.S. Patent No. 9,386,340
14/978,953	P1-D8 07612/46	2015-12-22	Issued as U.S. Patent No. 9,491,511
14/987,237	P1-D9 07612/48	2016-01-04	Issued as U.S. Patent No. 9,491,512
14/987,283	P1-D10 07612/49	2016-01-04	Issued as U.S. Patent No. 9,338,512
15/148,807	P1-D11 07612/56	2016-05-06	Issued as U.S. Patent No. 9,578,376
15/190,954	P1-D12 07612/57	2016-06-23	Issued as U.S. Patent No. 9,641,896

APPLICATION SERIAL NO.	ATTORNEY DOCKET NO.	FILING DATE	STATUS
15/253,321	P1-D13 07612/62	2016-08-31	Issued as U.S. Patent No. 9,648,388
15/253,288	P1-D14 07612/61	2016-08-31	Issued as U.S. Patent No. 9,635,423
15/399,116	P1-D15 07612/64	2017-01-05	Notice of Allowance 2017-05-05
15/492,870	P1-D16 07612/71	2017-04-20	Pending
15/582,155	P1-D17 07612/73	2017-04-28	Pending
11/685,188	CIP1 07612/7	2007-03-12	Issued as U.S. Patent No. 7,631,336
12/632,745	CIP1-D1 07612/8	2009-12-07	Issued as U.S. Patent No. 9,113,228
12/869,466	CIP1-D2 07612/9	2010-08-26	Pending - Reply Brief filed 2017-02-16
13/830,961	CIP1-D3 07612/28	2013-03-14	Pending - Non-final Rejection 2016-12-23
14/724,125	CIP1-D4 07612/38	2015-05-28	Issued as U.S. Patent No. 9,338,487
14/827,090	CIP1-D5 07612/39	2015-08-14	Issued as U.S. Patent No. 9,420,318
14/827,113	CIP1-D6 07612/40	2015-08-14	Issued as U.S. Patent No. 9,491,497
14/827,129	CIP1-D7 07612/41	2015-08-14	Pending - Non-final Rejection 2017-04-26
15/148,796	CIP1-D8 07612/55	2016-05-06	Issued as U.S. Patent No. 9,635,395
15/251,865	CIP1-D10 07612/59	2016-08-30	Pending - Non-final Rejection 2017-05-02
15/493,409	CIP1-D11 07612/72	2017-04-21	Pending
11/768,895	CIP2 07612/10	2007-06-26	Issued as U.S. Patent No. 9,584,868
12/869,493	CIP2-D1 07612/11	2010-08-26	Pending Notice of Informal Amendment 2017-05-31
12/869,534	CIP2-D2 07612/25	2010-08-26	Issued as U.S. Patent No. 9,344,765
13/831,042	CIP2-D3 07612/29	2013-03-14	Issued as U.S. Patent No. 9,247,308
15/001,992	CIP2-D4 07612/47	2016-01-20	Issued as U.S. Patent No. 9,635,429
15/002,011	CIP2-D5 07612/51	2016-01-20	Issued as U.S. Patent No. 9,641,902
15/002,029	CIP2-D6 07612/52	2016-01-20	Issued as U.S. Patent No. 9,654,833
15/002,040	CIP2-D7	2016-01-20	Issued as U.S. Patent No. 9,648,390

APPLICATION SERIAL NO.	ATTORNEY DOCKET NO.	FILING DATE	STATUS
	07612/53		
15/595,200	CIP2-D8 07612/66	2017-05-15	Pending
15/582,099	CIP2-D9 07612/67	2017-04-28	Pending
15/595,210	CIP2-D10 07612/68	2017-05-15	Pending
15/589,225	CIP2-D11 07612/69	2017-05-08	Pending
15/441,956	CIP2-D12 07612/70	2017-02-24	Pending
15/604,272	CIP2-D13 07612/75	2017-05-24	Pending

The Examiner is invited to review the prosecution history of this application to see the prior art of record and related office actions as he deems appropriate.

Applicant further notes the following litigations have been filed with respect to related patents and have been concluded:

Case	Filing Date	Status
<i>Broadband iTV, Inc. v. Hawaiian Telcom, Inc., et al.</i> , No. 14-cv-00169 (D. Haw. 2014)	2014-04-09	Summary Judgment entered in favor of Hawaiian Telcom, Inc. based on 35 U.S.C. 101 Notice of Appeal filed by Broadband iTV, Inc. with Federal Circuit Court of Appeals Consolidated Opening Brief filed by Broadband iTV, Inc. with Federal Circuit Court of Appeals. 2 Amicus Briefs also filed with the Federal Circuit Court of Appeals. January 21, 2016 Hawaiian Telcom, Inc.'s Response Brief filed March 14, 2016 Broadband iTV's Reply Brief filed April 1, 2016

		<p>Oral Argument Sept 8, 2016</p> <p>Federal Circuit affirmance, without opinion, of Summary Judgment in favor of Hawaiian Telcom, Inc. Sept 26, 2016</p> <p>Petition to U.S. Supreme Court for Writ of Certiorari April 13, 2017</p> <p>Petition Denied May 22, 2017 (litigation terminated)</p>
<p><i>Broadband iTV, Inc. v. Time Warner Cable, Inc., et al.</i>, No. 15-cv-00131 (D. Haw. 2014)</p>	<p>2014-04-09</p>	<p>Summary Judgment denied to TWC based on prior art cited by Time Warner Cable, Inc. (TWC); Summary Judgment Entered in favor of TWC based on 35 U.S.C. 101</p> <p>Notice of Appeal filed by Broadband iTV, Inc. with Federal Circuit Court of Appeals</p> <p>No cross-appeal filed by TWC as to Denial of Summary Judgment on Prior Art grounds</p> <p>Consolidated Opening Brief filed by Broadband iTV, Inc. with Federal Circuit Court of Appeals. 2 Amicus Briefs also filed with the Federal Circuit Court of Appeals. January 21, 2016</p> <p>TWC's Response Brief filed March 14, 2016</p> <p>Broadband iTV's Reply Brief filed April 1, 2016</p> <p>Oral Argument Sept 8, 2016</p> <p>Federal Circuit affirmance, without opinion, of Summary Judgment denial to TWC based on prior art cited by TWC and of Summary Judgment Entered in favor of TWC Sept 26, 2016</p> <p>Petition to U.S. Supreme Court for Writ of</p>

		Certiorari April 13, 2017 Petition Denied May 22, 2017 (litigation terminated)
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Applicant further notes that the following *inter partes* reviews (IPR) and covered business method (CBM) reviews have been filed with respect to related patents:

IPR Case		Filing Date	Patent No.	Status
IPR2014-01222	Unified Patents, Inc. v. Broadband iTV, Inc. (BBiTV)	2014-07-30	7,631,336	BBiTV - Institution of IPR Denied by PTAB 2015-01-05 (terminated)
CBM2014-00189	Hawaiian Telcom Inc. v. Broadband iTV, Inc. (BBiTV)	2014-09-19	7,631,336	BBiTV - Institution of CBM Denied by PTAB 2015-04-01 (terminated)

* * * * *

Any claim amendment(s), claim(s) added, claim(s) canceled, argument(s), remark(s), and/or any combination(s) thereof made in this response pertain solely to the specific aspects of this specific claimed invention. Further, any claim amendment(s), claim(s) added, claim(s) canceled, argument(s), remark(s), and/or any combination(s) thereof are made without prejudice to or disclaimer of Applicant's right to seek patent protection of any unclaimed subject matter such as, but not limited, to narrower unclaimed subject matter, broader unclaimed subject matter, different unclaimed subject matter, variations of unclaimed subject matter, any combination thereof, and/or any other unclaimed subject matter that may or may not be filed, for example, in

any design and/or utility patent application(s) such as, but not limited to, continuation patent application(s), continuation-in-part patent application(s), and/or divisional patent application(s) and/or any other patent application(s).

Applicant's silence as to any assertion(s) by the Examiner in the Office Action and/or to any certain fact(s) or conclusion(s) that may be implied and/or alleged by objections(s) and/or rejection(s) in the Office Action is not in any way a concession by Applicant that such assertion(s), implication(s), and/or allegation(s) are accurate, and that all requirements for any objection(s) and/or a rejection(s) have been met. Accordingly, Applicant reserves the right to analyze and dispute any such assertion(s), implication(s), and/or allegation(s) in the future.

In view of the amendments and remarks, prompt and favorable reconsideration of this Application is respectfully requested. If, however, the Examiner believes that there are any unresolved issues, or believes that the Application is not in condition for Allowance, Applicant respectfully requests that the Examiner contact the undersigned to schedule a telephonic Examiner Interview before any further Actions on the merits.

The director is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number 01-1785.

Respectfully submitted,

AMSTER, ROTHSTEIN & EBENSTEIN LLP
Attorneys for Applicant
90 Park Avenue
New York, NY 10016
(212) 336-8000

Dated: New York, New York
July 28, 2017

By: /Charles R. Macedo/
Charles R. Macedo
Registration No.: 32,781

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	15192598
	Filing Date	2016-06-24
	First Named Inventor	Milton Diaz Perez
	Art Unit	2426
	Examiner Name	ALAM, Mushfikh I.
	Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

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	4751578	A	1988-06-14	Reiter, et al.	
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(Not for submission under 37 CFR 1.99)

Application Number	15192598
Filing Date	2016-06-24
First Named Inventor	Milton Diaz Perez
Art Unit	2426
Examiner Name	ALAM, Mushfikh I.
Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

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	1	Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al; BBiTV Petition for a Writ of Certiorari (Sup. Ct. April 13, 2017 (No.16-1241)).	
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Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

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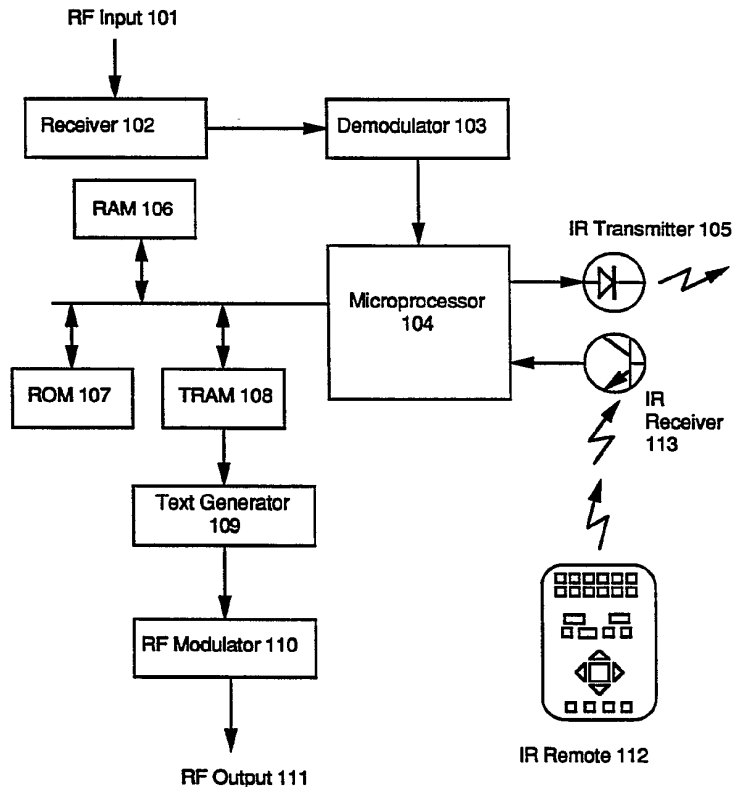
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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<p>(21) International Application Number: PCT/AU90/00226 (22) International Filing Date: 30 May 1990 (30.05.90) (30) Priority data: PJ 4500 1 June 1989 (01.06.89) AU (71) Applicant (for all designated States except US): RIGHT HEMISPHERE PTY. LTD. [AU/AU]; 28 Adeline Street, Faulconbridge, NSW 2776 (AU). (72) Inventor; and (75) Inventor/Applicant (for US only) : VOGEL, Peter, Samuel [AU/AU]; 28 Adeline Street, Faulconbridge, NSW 2776 (AU).</p>		<p>(81) Designated States: AT (European patent), AU, BE (European patent), CH (European patent), DE (European patent)*, DK (European patent), ES (European patent), FR (European patent), GB (European patent), IT (European patent), JP, LU (European patent), NL (European patent), SE (European patent), US. Published With international search report.</p>

(54) Title: TELEVISION PROGRAM SELECTION

(57) Abstract

A signal representative of a television program guide and a signal indicating which program is currently being received are received at the point of reception of a television program signal. The program guide signal is used to cause a program guide to be displayed on a television screen. A viewer selects one or more programs to be recorded or viewed from the displayed guide. While the received program indicating signal indicates that the program currently being received is one of the selected programs, recording or viewing of the program is enabled. A further extension of the invention causes the name of a television program to be recorded on a video recording along with the program so that on replay the recording can readily be identified.



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TELEVISION PROGRAM SELECTION

5

TECHNICAL FIELD

The present invention relates to means for and methods of controlling video appliances, such as video cassette recorders or television receivers, so that selected television programs are viewed or recorded.

BACKGROUND ART

With the increasing use of video cassette recorders (VCRs) in the home, VCRs are being increasingly used for recording broadcast programs for later replay and viewing. Many VCRs are equipped with timing means for starting and stopping recording of programs at times selected by the user. To take advantage of this ability, the user must consult a television schedule, select the programs to be recorded, and enter into the VCR's memory the start time and end time or duration of the selected programs, and channel to be recorded. In some cases this process can be complicated and error-prone. There is a great need for convenient ways of selecting programs to be recorded.

In an attempt to address this problem, some manufacturers have equipped VCRs with bar-code reading wands. Users can pass the wand over a bar-code printed on the television schedule which identifies the channel and time of the selected program. This information is used to set the timing means of the VCR. Another variation on this concept involves use of a sheet of times, dates and channels bearing the associated bar codes. In this case, the user must scan the appropriate bar code on this sheet for time, date and channel corresponding to programs selected for recording.

While these prior-art schemes have somewhat alleviated the difficulties, programming VCRs for recording is still error prone and inconvenient. Attempts have been made to provide improved programming by providing a device which accepts a machine-readable version of the television schedule via the medium of

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magnetic card, tape or similar means, the user being then offered a display of available programs from which to select. Although this arrangement does represent an improvement over prior schemes, it suffers the disadvantage that the user must obtain the medium on which the schedule is distributed, which may be inconvenient. The media cost and cost of the reading device is also considerable. Another shortcoming of prior-art schemes is that they rely on time-of-day information for starting and stopping recording, with the result that unwanted material can be recorded, or part of the wanted program missed, in cases where actual broadcast times differ from scheduled times. It is also not possible using such schemes to control recording with great precision, with the result that selective recording, as required for example for eliminating advertisements from recordings, is not possible.

DISCLOSURE OF INVENTION

The present invention is directed towards providing new and useful alternatives to known arrangements for controlling video appliances so that selected programs can be viewed or recorded. As well as making selection simple, fast and accurate, the present invention offers a number of other benefits not hitherto obtainable.

According to the present invention there is provided a method of selecting television programs to be recorded including the steps of receiving a first signal conveying data representative of a television programming schedule, decoding said received signals, displaying the resulting decoded schedule information, selecting one or more of programs displayed in said schedule as programs to be recorded, receiving a second signal identifying for each television channel the program being currently broadcast, decoding said second signal, and controlling recording of the selected programs according to the selection from the schedule and the content of said decoded second signal.

According to another aspect of the present invention there is provided a method of selecting television programs to be viewed including the steps of receiving a first signal conveying data representative of a television programming schedule, decoding said received signals, displaying the resulting decoded schedule

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information, identifying a number of programs displayed in said schedule as programs to be recorded, receiving a second signal identifying for each television channel the program being currently broadcast, decoding said second signal, and enabling viewing of the selected programs according to the programs selected from the schedule as those to be viewed and the content of said decoded second signal.

According to another useful extension of this inventive concept, there is provided a television program recording identifying method comprising the steps of receiving a first signal representative of the name of a television program being broadcast, receiving a second signal being a television broadcast, and recording said first signal while simultaneously recording said second signal.

In another aspect, the invention consists in a television program recording selector including a receiver adapted to receive a first signal conveying data representative of a television programming schedule, means to decode said received signals, means for displaying the resulting decoded schedule information, means for selecting a number of programs displayed in said schedule as programs to be recorded, means for receiving a second signal identifying for each television channel the program being currently broadcast, means for decoding said second signal, and means for controlling recording of the selected programs according to the programs identified as those to be recorded and the content of said decoded second signal.

In another aspect, the invention consists in a television program viewing selector including a receiver adapted to receive a first signal conveying data representative of a television programming schedule, means to decode said received signal, means for displaying the resulting decoded schedule information, means for selecting a number of programs displayed in said schedule as programs to be viewed, means for receiving a second signal identifying for each television channel the program being currently broadcast, means for decoding said second signal, and means for controlling viewing of the identified programs according to the programs selected as those to be viewed and the content of said decoded second signal.

According to another useful extension of this inventive concept, there is provided a television program recorder comprising means

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for receiving an identifying signal representative of the name of a television program being broadcast, recording means adapted to record said signal while simultaneously recording the television program being broadcast, replay means for simultaneously
5 replaying said identifying signal and said program, and means for displaying said identifying signal in the form of text.

BRIEF DESCRIPTION OF THE DRAWINGS

- 10 A particular embodiment of the invention will now be described with reference to the drawings in which:-
- Fig. 1 is a block diagram of a television program selector according to the invention;
- Fig. 2 shows the control panel of this embodiment
- 15 Fig. 3 shows an example of the schedule menu display of this embodiment; and
- Fig. 4 shows an example of the status menu display of this embodiment

20 MODE FOR CARRYING OUT THE INVENTION

As seen in Fig. 1, an embodiment of the invention is provided for use in conjunction with video cassette recorders (VCRs). This embodiment takes the form of a device which communicates with
25 the VCR via an infra-red (IR) control signal, this signal being similar to the control signal used by the hand-held remote control of conventional VCRs. This embodiment of the invention is in turn controlled by a hand-held remote control. Using this control means, the invention allows the user to control the usual functions of a VCR,
30 such as recording or playing a tape, as well as the novel functions provided by this invention. This arrangement is particularly beneficial as it can be used with a wide range of VCRs without modification of the VCR. Referring to Fig. 1, RF input 101 is derived from the television antenna being used to receive off-air programs
35 or a separate antenna, and comprises a signal modulated with data relating to the television schedule and the programs currently being broadcast. This signal is received by receiver 102, and fed to

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demodulator 103 which provides as an output digital data which is fed to an input of microprocessor 104.

Microprocessor 104 executes program instructions stored in read-only-memory ROM 107, and is responsible for all control and user-interface functions of this embodiment of the invention. Received data comprises two main types: periodic data and real-time data. Periodic data comprises the television schedule for the current day and future days, including the name of each program, its scheduled start time, the channel on which it is to be broadcast, and a classification (such as whether or not it is suitable for viewing by children). The periodic data is transmitted from a remote source, such as the television broadcast station or a separate transmitting station, at infrequent intervals, say once every hour. Real-time data comprises information which identifies which program is currently being broadcast on each channel, including the program classification. This data is transmitted from the remote source as soon as possible after a change of program on any channel, and is then repeated occasionally, say every 10 seconds, until another change of program occurs.

On receipt of program schedule data, microprocessor 104 stores the data in random access memory RAM 106.

On receipt of a command from the user requesting information, such as the program schedule, microprocessor 104 retrieves the relevant data from RAM 106, formats it for display and stores it in text random access memory TRAM 108.

Text generator 109 accesses the data stored in TRAM 108 and generates a video raster signal which when conveyed to a television receiver via RF modulator 110 and RF output 111 causes the text to be displayed on the television receiver screen.

IR receiver 113 receives infra-red control signals from IR remote 112, which for convenience is a hand-held control device. IR remote 112 includes a switch array which provides means for users to issue instructions to microprocessor 104, and in this embodiment is constructed as shown in Fig.2, so as to offer most conveniently the functions described below.

IR transmitter 105 is an infra-red emitting diode which is used to control a VCR, via the infra-red remote control channel commonly used with VCRs. IR transmitter 105 is pulsed under control of

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microprocessor 104 to generate control data which controls the operation of the VCR, for example, by issuing a PAUSE command or a RECORD command.

Referring now to Fig. 2, the layout of switches of the user control keyboard can be seen. Twelve switches labelled "CHANNEL" are used to select one of 12 channels to be viewed. The switches "Rew", "FF", "Rec", "Play", "Pause" and "Stop" control the rewind, fast forward, record, play, pause and stop functions of the VCR in the usual manner. The switch "sel" is used to select a menu option. The four triangular switches surrounding the "sel" switch cause movement of the cursor on a menu display in one of the four directions indicated. The switches "C", "P", "S" and "?" are used to initiate the classification, program, status and QUERY functions respectively. The operation of these four functions will now be described.

CLASSIFICATION. Pressing this button causes a display such as that shown in Fig. 4 to appear on the television screen. This display is known as the STATUS menu. The CLASSIFICATION function relates to the text in the left-hand column of the display, headed "ENABLE". The letters shown in the column under ENABLE represent the following classifications:

	C	Suitable for children
	G	General viewing
25	A	Adult
	R	Restricted
	AD	Advertisement or other non-program material

The boxes adjacent to each classification letter indicate whether each classification is enabled, a check mark indicating enabled, and a cross indicating prohibited. If a program of a classification which is prohibited is received, the invention causes the video recorder to pause, preventing recording. If desired, viewing of programs bearing prohibited classification can also be inhibited by the invention causing the channel selector of the receiver or VCR to select the output of the invention, rather than the channel of the program. It is also possible to provide an alarm function to alert viewers that a particular program is about to start. For example, the

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invention can be used to turn on the television receiver when a preselected broadcast starts, and to sound an alarm five minutes beforehand. To enable or prohibit a particular classification, the user pushes the C button, which causes the STATUS display to
5 appear with the cursor positioned on one of the indicator boxes. The desired classification is then selected by moving the cursor up or down using the up or down pointing triangular keys. The enable status of the cursored classification can be changed by pressing the "sel" button.

10 Another box in the ENABLE column labelled "LOCK" enables a security function which prevents changing the status of classifications unless a personal identity number, known only to authorised persons, is entered first.

PROGRAM. Pressing this button causes a display such as that of
15 Fig. 3 to be displayed. This display is known as the PROGRAM menu, and shows a list of scheduled programs for each available channel. Channel indicator box 301 shows the date and channel to which each column of schedule information relates. Each entry in the schedule shows the scheduled time of broadcast, title and censorship
20 classification. A cursor is used to highlight one schedule item at a time. The cursor can be moved up, down, right or left using the triangular switches. By way of example, in Fig. 3 item 302 is shown as cursored. A program can be selected for recording by pressing the "sel" switch when the desired item is cursored. An asterisk is
25 displayed next to each item selected for recording, as shown in the example of item 303 in Fig. 3. As it will generally not be possible to fit all the schedule information on the display, this embodiment of the invention is arranged so that the program menu scrolls in both axes. This scrolling occurs if the cursor movement switches are
30 pressed and the cursor is at the limit of movement in the corresponding direction. As seen in Fig. 3, arrows appear on the display indicating that further information can be accessed by scrolling the display further in the direction of the arrow.

STATUS. Pressing this button causes the status menu to be
35 shown. The column of this display under the heading "CURRENT" shows details of the program currently being broadcast on the channel selected for viewing. The information displayed includes the scheduled time of broadcast, date, channel, title and

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classification. The status menu also shows a list of programs selected for recording. The downward-pointing arrow below the list shown in the example of Fig. 4 indicates that there are more items selected for recording, and these can be accessed by scrolling the display using the downward-pointing cursor control switch.

5 QUERY. If this switch is pressed while a menu is being displayed, details of the currently censored broadcast are displayed. For example, if a movie is censored and the "?" switch is pressed, a description of the movie is displayed, the text of this description
10 having been previously conveyed from the remote transmitter as part of the schedule information. If the "?" switch is pressed when no menu is being displayed, details of the program currently being received are displayed.

As well as responding as described above to commands requiring text display as described above, the microprocessor performs a number of other major functions.

These functions are now described with reference to Fig. 1.

VCR CONTROL. Certain commands received by IR receiver 113, in particular those which effect the usual VCR functions such as play, stop, channel change, are passed on to the VCR being controlled.
20 Because control codes used by different models of VCRs are not standardised, the command code required by the VCR will in general not be the same as that generated by the corresponding button of IR remote 112. To permit use of the invention with a wide range of
25 VCRs, data representing the control codes required by the particular VCR in use is stored within the ROM or RAM of the invention, so that when a VCR control command is to be issued, the corresponding code can be looked up and transmitted. Microprocessor 104 maintains a VCR status table in RAM 106, which stores data such as television
30 channel currently being received and VCR transport status such as stopped, recording or spooling. This status table is updated each time a VCR control command is issued.

SCHEDULE UPDATE. Data conveying schedule information is periodically received by receiver 102. This information is stored in
35 RAM 106. When the available memory is full, the oldest schedule information is discarded.

CURRENT PROGRAM IDENTIFICATION. Whenever a change of program occurs on one of the available television channels, an

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identifying signal is received by receiver 102. This signal includes data identifying the channel concerned, the classification of the program, the name of the program, and such other identifying information as may be desired. When an identifying signal is
5 recognised by microprocessor 104, it takes different action depending on the current status of the VCR (ascertained by reference to the status table in memory) and the instructions previously issued by the user. The VCR status must be taken into account because different commands must be generated depending
10 on what the VCR is doing at that moment. For example, if advertisements have been prohibited (using the status display) and the received identifying signal indicates commencement of an advertisement, the microprocessor must ascertain whether the channel indicated by the identifying signal is the channel currently
15 selected by the VCR's tuner. Because any channel change commands previously issued to the VCR by the user have been forwarded to the VCR by the invention, the identity of the currently-selected channel is always available to the microprocessor. In this example, if the VCR is tuned to the channel on which a prohibited
20 advertisement is in progress, further reference is made to the status table to ascertain whether the VCR is recording. If it is, a suitable "pause" command is issued. When an identifying signal indicates that the program being recorded has resumed, the status is again checked before issuing a "resume recording" command, in case the
25 user has issued a command which has changed the status of the VCR in the meantime. Another example of action taken on receipt of a current program identification signal is comparison to a list of programs selected from the program guide display for recording. If the current program is identified as one selected for recording, the
30 VCR status is read and, depending on the current status, the commands required to start recording are issued. For example, if the VCR is currently tuned to a different channel, "channel up" or "channel down" commands are issued as required to select the channel to be recorded. Other commands, such as "power on" may
35 also be issued if required before the "record" command is issued.

The functions of this embodiment of the invention are implemented by suitable software stored in ROM 107 and executed by microprocessor 104. The program required to achieve this can

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be effectively realised in many different ways well known to those skilled in the art.

The foregoing describes only one embodiment of the present invention, and changes, obvious to those skilled in the art, can be made without departing from the scope of the invention.

For example, whereas the exemplary embodiment described above takes the form of apparatus separate from the video recording or viewing apparatus, the invention can also be practised by including suitable means within a video recorder, television receiver or other appliance. In such a case, control of the receiving or recording appliance can be effected by suitable connection to the control means of the appliance, rather than the infra-red control path used by the embodiment above.

It will also be understood that the functions offered to the user according to the embodiment described above are given by way of example only, and other functions can be provided without departing from the scope of the invention. For example, whereas the embodiment described causes recording or viewing of the classifications not enabled to be inhibited, it is envisaged that other options can be provided. For example, the user can instruct that advertisements be muted, in which case the invention is arranged so that on receipt of data indicating that an advertisement is being received on the channel being viewed, a command is issued to the television receiver to cause muting of the sound signal, the sound being re-enabled on resumption of program.

It is also envisaged that the user controls of the invention can be incorporated with control of other appliances, for example, by incorporating the function switches of the invention into an infra-red remote control handpiece of another appliance, such as a VCR or television receiver.

According to a further extension of the invention, program identification data within the invention can be used to label tape recordings, using the identifying data received by the data receiver of the invention to provide the labelling information. For example, the invention can be arranged to place a suitable code in the vertical interval of the video recording so that the name of a program is recorded as the program is recorded. This extension permits programs recorded on a tape to be identified by name on replay, as

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well as facilitating automatic location of a program by name. For convenience the invention can be further adapted to cause the name of a program to be printed legibly, for example on the casing of the video cassette on which the corresponding program is recorded.

5 This can be achieved in practise using a thermal or impact or other printing means controlled by the microprocessor or other controller of the invention, program identifying data received by the invention being caused to be printed as alpha-numeric characters on the outside of the video cassette, or onto another medium such as an
10 adhesive label which can be subsequently affixed to the enclosure of the recording or into a catalogue or elsewhere.

Whereas in the exemplary embodiment recording of selected programs is initiated and terminated according to correspondence between the name of a selected program and the name of the
15 currently-broadcast program being received, it is also possible to control recording according to the scheduled time of broadcast.

It will also be understood by those skilled in the art that the display functions and other details of the invention described in relation to the embodiment above are given by way of example
20 only, and that changes to the features offered and particularly to the means of interaction with the user can be made without departing from the scope and spirit of the invention. For example, whereas the television display is used to display information for user inspection and switches are used for user control, the invention can
25 be practised using any other suitable display means and control means, such as a liquid crystal display or touch-activated screen. The screen formats shown in the drawings herein are given by way of example only and should also not be construed as limiting the scope of the invention. Furthermore, whereas the exemplary
30 embodiment provides a video-modulated RF output which is selected for viewing of menus, it is possible to arrange the invention so that the requested information is overlaid on the picture of the program being viewed.

It is also envisaged that the method of transmission of data to
35 the invention from a remote station need not be by means of a radio transmission as used in the exemplary embodiment above. For example, the data could be conveyed to the invention by means of a signal embedded in the television broadcast, such as a special-

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purpose subcarrier or vertical-interval signal, or by cable or fibre-optic connection, or by data transmitted by optical signalling via a designated area of a television picture, or by telephone line, or by any other data transmission means. It is also possible to transmit
5 the non-realtime data by means of portable recording medium such as floppy disk or optically marked card.

It is envisaged that the data used by the invention can originate from any source without departing from the scope of the invention. For example, the data can originate from a central station where a
10 person monitors all television channels and transmits identifying information to the invention by activating appropriate switches controlling a suitably-equipped transmitter. Alternatively, program information can be automatically generated using a data-base in which detailed programming data is stored in advance.
15

INDUSTRIAL APPLICABILITY

The invention provides improved means for controlling the operation of video recording equipment and television receivers. In
20 one application the invention can be used to select which of a number of available broadcast television programs will be recorded by a domestic video cassette recorder.

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CLAIMS

- 5 1. A method of controlling a video appliance comprising the steps of:
receiving a first signal representative of a television program schedule;
receiving a second signal indicating which television program is currently being received;
10 converting said first signal into a display of text representative of a television program schedule;
selecting a subset of items of said displayed text;
causing said selected subset of displayed text to be marked on said display;
15 and, if said second signal indicates that a television program currently being received corresponds to one of said selected items;
causing a video apparatus to be activated.
- 20 2. A method of controlling a video appliance according to claim 1 wherein said first signal and said second signal are transmitted as part of a broadcast television signal.
- 25 3. A method of controlling a video appliance according to claim 1 wherein said first signal and said second signal are transmitted as a data signal independent of a broadcast television signal.
- 30 4. A method of controlling a video appliance according to claim 2 comprising the further steps of:
receiving a classification signal indicating the class of program being received;
selecting a set of classifications which are to be prohibited;
35 comparing said classification signal to said set of prohibited classifications, and, if said classification signal indicates that a received program is a member of the set of prohibited classifications;

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causing a video appliance to be temporarily deactivated until said classification signal indicates that a received program is no longer a member of the set of prohibited classifications.

- 5
5. A method of controlling a video appliance according to claim 3 comprising the further steps of:
receiving a classification signal indicating the class of program being received;
10 selecting a set of classifications which are to be prohibited;
comparing said classification signal to said set of prohibited classifications, and, if said classification signal indicates that a received program is a member of the set of prohibited classifications;
15 causing a video appliance to be temporarily deactivated until said classification signal indicates that a received program is no longer a member of the set of prohibited classifications.
- 20 6. A method of controlling a video appliance according to claim 2 comprising the further step of:
deriving, from said second signal, visible text descriptive of the television program currently being replayed.
- 25 7. A method of controlling a video appliance according to claim 3 comprising the further step of:
deriving, from said second signal, visible text descriptive of the television program currently being replayed.
- 30 8. A method of controlling a video appliance according to claim 2 comprising the further steps of:
combining said second signal with a television program signal;
recording said combined signal on a video recording medium;
replaying said recorded signal;
35 separating said second signal from said television program signal; and
deriving, from said second signal, visible text descriptive of the television program currently being replayed.

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9. A method of controlling a video appliance according to claim 3 comprising the further steps of:
5 combining said second signal with a television program signal;
recording said combined signal on a video recording medium;
replaying said recorded signal;
separating said second signal from said television program
10 signal; and
deriving, from said second signal, visible text descriptive of
the television program currently being replayed.
10. A method of controlling a video appliance according to claims 1-9 wherein said video appliance is a video recorder.
- 15 11. A method of controlling a video appliance according to claims 1-9 wherein said video appliance is a television receiver.
12. A video appliance controller comprising:
20 means for receiving a first signal representative of a
television program schedule;
means for receiving a second signal indicating which
television program is currently being received;
means for converting said first signal into a display of text
25 representative of a television program schedule;
means for selecting a subset of items of said displayed text;
means for causing said selected subset of displayed text to be
30 marked on said display; and,
means for causing a video apparatus to be activated if said
second signal indicates that a television program currently
being received corresponds to one of said selected items.
13. A video appliance controller according to claim 12 wherein
35 said first signal and said second signal are transmitted as part
of a broadcast television signal.
14. A video appliance controller according to claim 12 wherein
said first signal and said second signal are transmitted as a
data signal independent of a broadcast television signal.

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15. A video appliance controller according to claim 13 and further comprising:
5 means for receiving a classification signal indicating the class of program being received;
means for selecting a set of classifications which are to be prohibited;
10 means for comparing said classification signal to said set of prohibited classifications, and, if said classification signal indicates that a received program is a member of the set of prohibited classifications;
15 causing a video appliance to be temporarily deactivated until said classification signal indicates that a received program is no longer a member of the set of prohibited classifications.
16. A video appliance controller according to claim 14 and further comprising:
20 means for receiving a classification signal indicating the class of program being received;
means for selecting a set of classifications which are to be prohibited;
25 means for comparing said classification signal to said set of prohibited classifications, and, if said classification signal indicates that a received program is a member of the set of prohibited classifications;
30 causing a video appliance to be temporarily deactivated until said classification signal indicates that a received program is no longer a member of the set of prohibited classifications.
17. A video appliance controller according to claim 13 and further comprising:
35 means for deriving, from said second signal, visible text descriptive of the television program currently being replayed.

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18. A video appliance controller according to claim 14 and further comprising:
means for deriving, from said second signal, visible text descriptive of the television program currently being replayed.
19. A video recorder including a video appliance controller according to claims 12-18.
20. A television receiver including a video appliance controller according to claims 12-18.
21. A video recorder comprising an appliance controller according to claim 13 and further comprising:
means for combining said second signal with a television program signal;
means for recording said combined signal on a video recording medium;
means for replaying said recorded signal;
means for separating said second signal from said television program signal; and
means for deriving, from said second signal, visible text descriptive of the television program currently being replayed.
22. A video recorder comprising an appliance controller according to claim 14 and further comprising:
means for combining said second signal with a television program signal;
means for recording said combined signal on a video recording medium;
means for replaying said recorded signal;
means for separating said second signal from said television program signal; and
means for deriving, from said second signal, visible text descriptive of the television program currently being replayed.

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23. A video appliance controller according to claims 15 or 16 wherein said video appliance is controlled by means of infra-red control signals and further comprising:
- 5 a transmitter adapted to transmit infra-red signals to said video appliance;
- a receiver adapted to receive infra-red signals from hand-held remote control means;
- 10 means for recognising those infra-red signals received by said infra-red receiver which correspond to appliance control commands;
- memory means for forming a table of data representative of the most recent appliance control commands received; and
- 15 means for causing said appliance control commands to be transmitted to said video appliance.
24. A video appliance controller according to claims 15 or 16 wherein said video appliance is controlled by means of infra-red control signals and further comprising:
- 20 a transmitter adapted to transmit infra-red signals to said video appliance;
- a receiver adapted to receive infra-red signals from hand-held remote control means;
- 25 means for recognising infra-red signals received by said infra-red receiver corresponding to appliance control commands;
- memory means for forming a table of data representative of the most recent appliance control commands received;
- 30 means for causing said appliance control commands to be transmitted to said video appliance;
- means for receiving a classification signal indicating a class of program being received and a signal indicating a corresponding channel;
- 35 means for selecting a set of classifications which are to be prohibited; and
- means for:
- comparing said stored channel data with said corresponding channel data, and if the result is equality,

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comparing said classification signal to said set of prohibited classifications, and, if said classification signal indicates that a received program is a member of the set of prohibited classifications;

5

causing a video appliance to be temporarily deactivated until said classification signal indicates that a received program is no longer a member of the set of prohibited classifications.

10

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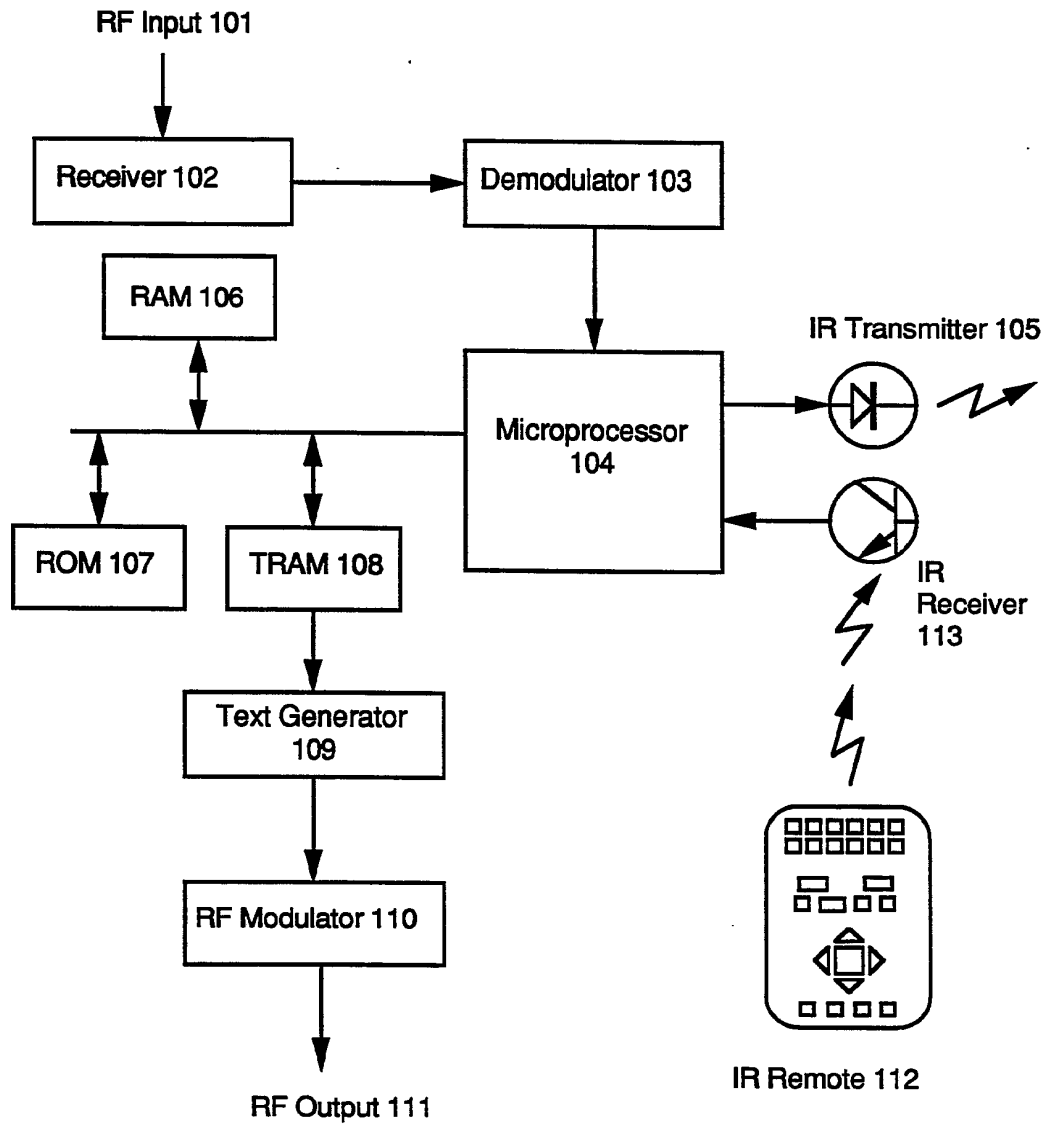


Fig. 1

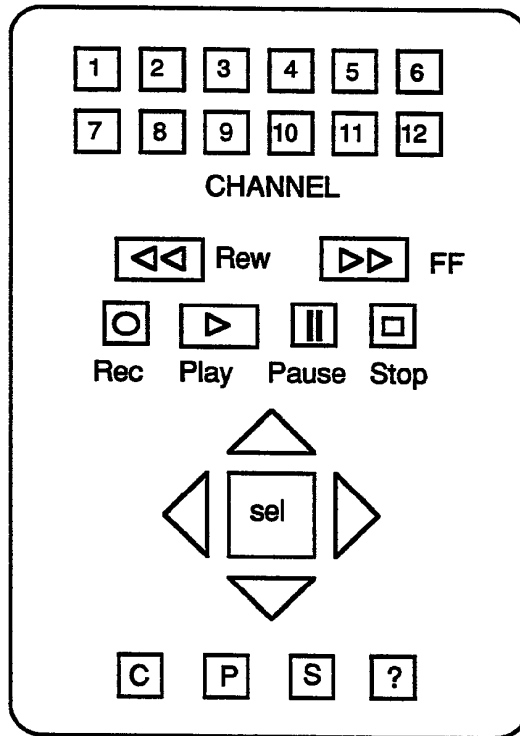


Fig 2

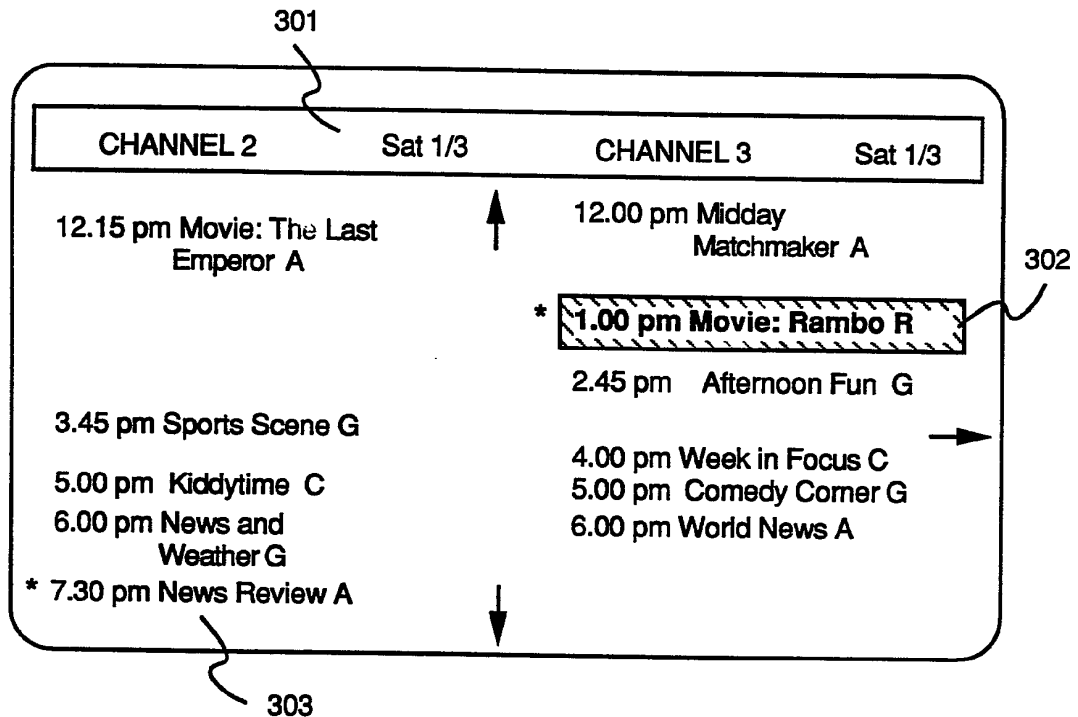


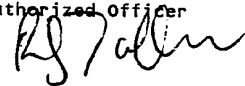
Fig 3

STATUS		Sat 1/3
<input checked="" type="checkbox"/>	ENABLE C	
<input checked="" type="checkbox"/>	G	10.00 am Sat 1/3 Ch 4 Let's Speak Greek G
<input checked="" type="checkbox"/>	A	
<input checked="" type="checkbox"/>	R	7.30 pm Sat 1/3 Ch2 News Review A
<input checked="" type="checkbox"/>	AD	
<input checked="" type="checkbox"/>	LOCK	7.30 pm Sun 2/3 Ch5

Fig 4

INTERNATIONAL SEARCH REPORT

International Application No. **PCT/AU 90/00226**

I. CLASSIFICATION OF SUBJECT MATTER (if several classification symbols apply, indicate all) 6		
According to International Patent Classification (IPC) or to both National Classification and IPC		
Int. Cl. ⁵ H04N 7/173; G11B 27/02, 27/10, 27/36		
II. FIELDS SEARCHED		
Minimum Documentation Searched 7		
Classification System	Classification Symbols	
IPC	H04N 7/16, 7/173; G11B 27/02, 27/10, 27/36	
Documentation Searched other than Minimum Documentation to the Extent that such Documents are Included in the Fields Searched 8		
AU: IPC as above; Australian Classification 05.42		
III. DOCUMENTS CONSIDERED TO BE RELEVANT 9		
Category*	Citation of Document, ¹¹ with indication, where appropriate, of the relevant passages ¹²	Relevant to Claim No 13
X,P	WO,A, 90/00847 (INSIGHT TELECAST INC) 25 January 1990 (25.01.90) See pages 3-18, Figures 1, 2	1, 2, 10-13, 19, 20
Y	WO,A, 88/04507 (BRITISH BROADCASTING CORPORATION) 16 June 1988 (16.06.88) See pages 1-10, Figures 1-3	1, 2, 10-13, 19, 20
Y	AU,A, 76254/87 (SANYO ELECTRIC CO, LTD) 4 February 1988 (04.02.88) See pages 6-9, Figures 1-3	1, 2, 10-13, 19, 20
Y	US,A, 4305101 (YARBOUGH et al) 8 December 1981 (08.12.81) See column 1 line 41 to column 5 line 10, Figures 1, 2, 5	1, 2, 4, 6, 8, 10- 13, 15, 17, 19-21, 24
Y	US,A, 4390901 (KEISER) 28 June 1983 (28.06.83) See column 3 line 13 to column 5 line 5, Figures 1, 2	1, 2, 10-13, 19, 20
Y	US,A, 4605964 (CHARD) 12 August 1986 (12.08.86) See column 5 line 46 to column 7 line 65, Figure 3	1, 2, 4, 10-13, 15, 19, 20, 24
Y	US,A, 4635121 (HOFFMAN et al) 6 January 1987 (06.01.87) See column 2 lines 24-48, Figure 1	1, 12, 23
(continued....)		
* Special categories of cited documents: 10		
"A"	document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E"	earlier document but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
"O"	document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P"	document published prior to the international filing date but later than the priority date claimed	
IV. CERTIFICATION		
Date of the Actual Completion of the International Search 23 August 1990 (23.08.90)	Date of Mailing of this International Search Report 29 August 1990	
International Searching Authority Australian Patent Office	Signature of Authorized Officer R TOLHURST 	

Form PCT/ISA/210 (second sheet) (January 1985)

FURTHER INFORMATION CONTINUED FROM THE SECOND SHEET

Y	US,A, 4787063 (MUGUET) 22 November 1988 (22.11.88) See column 2 line 56 to column 3 line 31, column 8 line 66 to column 9 line 4, column 11 lines 45-65, Figures 1-4	1-3, 6, 7, 10-14, 17, 18, 23
Y,P	US,A, 4864429 (EIGELDINGER et al) 5 September 1989 (05.09.89) See column 1 line 44 to column 2 line 51, Figure 1	1, 2, 10-13, 19, 20

V. OBSERVATIONS WHERE CERTAIN CLAIMS WERE FOUND UNSEARCHABLE 1

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claim numbers ..., because they relate to subject matter not required to be searched by this Authority, namely:
2. Claim numbers ..., because they relate to parts of the international application that do comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. Claim numbers ..., because they are dependent claims and are not drafted in accordance with the second and third sentences of PCT Rule 6.4 (a):

VI. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING 2

This International Searching Authority found multiple inventions in this international application as follows:

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims of the international application.
2. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims of the international application for which fees were paid, specifically claims:
3. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claim numbers:
4. As all searchable claims could be searched without effort justifying an additional fee, the International Searching Authority did not invite payment of any additional fee.

Remark on Protest

- The additional search fees were accompanied by applicant's protest.
 No protest accompanied the payment of additional search fees.

ANNEX TO THE INTERNATIONAL SEARCH REPORT ON
INTERNATIONAL APPLICATION NO. PCT/AU 90/00226

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report	Patent Family Members			
WO 90/00847	AU 40420/89			
WO 88/04507	EP 296190	GB 2200519	JP 1502153	
AU 76254/87 AU 594179	EP 255107	JP 63050277	US 4879611	
US 4305101	CA 1159551 GB 2046967	DE 3014309 JP 55141876	FR 2454736	
US 4390901	DE 2950432			
US 4605964	AU 11045/83 WO 8302208	EP 96705	JP 58502179	
US 4635121	AT 26028 EP 112589	AU 21629/83 JP 59108433	DE 3370383	
US 4787063	EP 179001	FR 2572235	FR 2579397	
US 4864429	AU 62876/86 DK 1768/87 HU 46173 WO 8701001	DD 248915 EP 270537 JP 62110379	DE 3528467 FI 880544 NO 871443	

END OF ANNEX



DEMANDE INTERNATIONALE PUBLIÉE EN VERTU DU TRAITE DE COOPERATION EN MATIÈRE DE BREVETS (PCT)

(51) Classification internationale des brevets⁴ : G11B 27/02, 15/02	A1	(11) Numéro de publication internationale: WO 89/12896 (43) Date de publication internationale: 28 décembre 1989 (28.12.89)
(21) Numéro de la demande internationale: PCT/FR89/00271 (22) Date de dépôt international: 1er juin 1989 (01.06.89) (30) Données relatives à la priorité: 88/08412 17 juin 1988 (17.06.88) FR (71)(72) Déposant et inventeur: ULMER, Siegfried, W. [DE/FR]; Le Riou C, Domaine du Loup, F-06800 Cagnes-sur-Mer (FR). (81) Etats désignés: AT (brevet européen), BE (brevet européen), CH (brevet européen), DE (brevet européen), FR (brevet européen), GB (brevet européen), IT (brevet européen), JP, KR, LU (brevet européen), NL (brevet européen), SE (brevet européen), US.		Publiée <i>Avec rapport de recherche internationale.</i>
(54) Title: DEVICE FOR SIMULTANEOUS RECORDING AND PLAYBACK OF TELEVISION IMAGES (54) Titre: DISPOSITIF D'ENREGISTREMENT ET DE LECTURE SIMULTANES D'IMAGES DE TELEVISION (57) Abstract Process and device for recording television images and for reproducing them after a short period, in order to remove the advertising material from a television broadcast. The process according to the invention is characterized in that television images are recorded in real time for reproduction with a slight time-lag, so as to remove the advertising material by accelerated playback. Said device uses a recording support of the direct-access memory type, and comprises a playback mechanism and a recording mechanism, the playback mechanism and recording mechanism being separate and independent, with the possibility of operating simultaneously, and capable of being located and moved independently of one another on the recording support, and including buffer memories for synchronization and speed matching. The device according to the invention is intended in particular for audio-visual use by the public at large. (57) Abrégé L'invention concerne un procédé et un dispositif permettant d'enregistrer des images de télévision et de les restituer après un court délai, afin d'éliminer les séquences publicitaires d'une émission de télévision. Le procédé selon l'invention se caractérise par le fait qu'on enregistre des images de télévision en temps réel pour les restituer avec un léger décalage, et ceci dans le but d'éliminer les séquences publicitaires par une lecture accélérée. Le dispositif selon l'invention utilise un support d'enregistrement du type mémoire à accès direct, et comporte un mécanisme lecteur et un mécanisme enregistreur, le mécanisme lecteur et le mécanisme enregistreur étant séparés et indépendants, pouvant opérer simultanément, et pouvant être placés et déplacés d'une façon indépendante l'un de l'autre sur le support d'enregistrement, et comporte des mémoires tampons de synchronisation et d'adaptation de vitesse. Le dispositif selon l'invention est particulièrement destiné à l'audio-visuel "grand public".		

UNIQUEMENT A TITRE D'INFORMATION

Codes utilisés pour identifier les Etats parties au PCT, sur les pages de couverture des brochures publiant des demandes internationales en vertu du PCT.

AT	Autriche	FI	Finlande	ML	Mali
AU	Australie	FR	France	MR	Mauritanie
BB	Barbade	GA	Gabon	MW	Malawi
BE	Belgique	GB	Royaume-Uni	NL	Pays-Bas
BF	Burkina Fasso	HU	Hongrie	NO	Norvège
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DE	Allemagne, République fédérale d'	MC	Monaco	US	Etats-Unis d'Amérique
DK	Danemark	MG	Madagascar		
ES	Espagne				

Dispositif d'Enregistrement et de Lecture Simultanés d'Images de Télévision.

La présente invention concerne un procédé et un dispositif permettant d'enregistrer des images télévision et de les restituer après un court délai, afin d'éliminer les séquences publicitaires et d'autres séquences d'une émission de télévision.

Par élimination on entend que le téléspectateur peut réduire le temps pendant lequel les séquences publicitaires le dérangent par un facteur d'au moins 10 et jusqu'à 40 ou plus. A titre d'exemple, une séance publicitaire d'une durée de 2 minutes peut être réduite à une interruption d'une durée de 3 secondes.

Il est précisé que c'est le téléspectateur lui-même qui identifie le début et la fin de la séance publicitaire qu'il veut éliminer, et que c'est lui qui pilote le dispositif de l'invention, par exemple avec l'aide d'une télécommande. La présente invention ne nécessite donc pas une reconnaissance automatique du début et de la fin d'une séance publicitaire, mais saura avantageusement intégrer une tel dispositif.

Par délai court on entend que le téléspectateur peut commencer à regarder l'émission après un temps T qui correspond à peu près à la durée de l'ensemble de toutes les séquences publicitaires qu'on veut éliminer de l'émission qu'on souhaite regarder. A titre d'exemple, pour une émission de 2 heures, qui comporte 5 séquences publicitaires de 2 minutes chacune, on peut commencer à regarder l'émission 10 minutes après le début de sa transmission.

Il est déjà connu des dispositifs pouvant enregistrer, puis restituer, des images télévision, et permettant d'éliminer les séquences publicitaires par une lecture à vitesse accélérée.

L'appareil le plus répandu de ce type est le magnétoscope à cassette. Avec le magnétoscope, l'élimination des séquences publicitaires nécessite les étapes suivantes:

- on démarre l'enregistrement de l'émission télévision;
- on attend le fin de l'émission;
- on rebobine la cassette;
- on démarre la lecture de la cassette afin de restituer les images enregistrées;
- dès le début de chaque séance publicitaire, on restitue les images en lecture à vitesse accélérée, de sorte qu'on peut identifier la fin de la séance publicitaire;
- dès la fin de la séance publicitaire, on restitue les images enregistrées à vitesse normale.

FEUILLE DE REMPLACEMENT

Ce dispositif présente un inconvénient majeur, à savoir: pour regarder une émission, il faut d'abord attendre la fin de l'enregistrement, donc la fin de la transmission. A titre d'exemple, si on veut éliminer les séquences publicitaires d'un film programmé de 21 heures à 23 heures, c'est seulement à partir de 23 heures qu'on peut commencer à le regarder.

Ce dispositif présente encore un autre inconvénient, à savoir: la recherche de la fin d'une séance publicitaire est généralement limitée à une lecture à vitesse 9 fois accélérée. A titre d'exemple, une séance publicitaire d'une durée de 2 minutes nécessite toujours 14 secondes pour défiler en lecture à vitesse 9 fois accélérée.

L'alternative à la lecture à vitesse accélérée, l'embobinage de la bande magnétique, ne permet pas non plus de raccourcir ce délai d'une façon importante, car il consiste de mouvements mécaniques relativement lents: le dégagement du mécanisme de lecture de la bande, l'accélération de la bande et des deux bobines de la cassette, leur décélération, et le réengagement du mécanisme de lecture sur la bande. En plus, comme l'embobinage ne permet pas un contrôle visuel pour la recherche de la fin de la séance publicitaire, il faut l'arrêter bien avant la fin supposée de cette séance publicitaire et continuer en lecture à vitesse accélérée.

Le procédé et le dispositif selon la présente invention ont pour but de pallier ces inconvénients, à savoir: d'éliminer les séances publicitaires d'une manière qui permet de regarder une émission de télévision pas en différée, mais en temps (presque) réel, et qui permet de réduire la durée de l'interruption dû à une séance publicitaire pas seulement par un facteur de 9, mais plutôt par un facteur de 40.

A cet effet, la présente invention concerne un procédé d'enregistrement et de restitution d'images télévision, et d'élimination des séances publicitaires et d'autres séquences d'une émission de télévision, caractérisé en ce qu'il comporte les étapes suivantes:

- on enregistre une émission télévision sur le support d'enregistrement;
- on attend un temps T qui correspond à peu près à la durée de l'ensemble de toutes les séances publicitaires qu'on veut éliminer de l'émission qu'on souhaite regarder;
- on démarre la lecture du support d'enregistrement afin de restituer les images enregistrées sur un écran de télévision;
- dès le début de chaque séance publicitaire, on restitue les images en lecture à vitesse accélérée, de sorte qu'on peut identifier la fin de la séance publicitaire;
- dès la fin de la séance publicitaire, on restitue les images enregistrées à vitesse normale.

FEUILLE DE REMPLACEMENT

La présente invention concerne également un procédé pour rendre plus dense un enregistrement d'images télévision, en éliminant des séquences publicitaires et d'autres séquences de l'enregistrement caractérisé en ce qu'il comporte les étapes suivantes:

- on place le mécanisme enregistreur au début du support d'enregistrement ou derrière la première partie de l'enregistrement qu'on souhaite garder;
- on place le mécanisme lecteur au début du support d'enregistrement ou devant la deuxième partie de l'enregistrement qu'on souhaite garder;
- on fait une copie avec le mécanisme enregistreur des images télévision lus par le mécanisme lecteur, tout en restituant ces images sur l'écran d'un téléviseur pour contrôle;
- au début de chaque séance publicitaire, on arrête de faire la copie, laissant le mécanisme enregistreur sur place, et on cherche la fin de la séance publicitaire, en restituant des images en lecture à vitesse accélérée;
- a la fin de chaque séance publicitaire, on fait une copie avec le mécanisme enregistreur des images télévision lus par le mécanisme lecteur, tout en restituant ces images sur l'écran d'un téléviseur.

La présente invention concerne aussi deux procédés qui apportent des avantages supplémentaires, à savoir:

- un procédé qui permet faire la copie des images télévision dans un des modes suivants: vitesse normale en avant, vitesse accélérée en avant, vitesse ralentie en avant, vitesse normale en arrière, vitesse accélérée en arrière, vitesse ralentie en arrière, arrêt sur image, image par image en avant, image par image en arrière;
- un procédé qui, au début d'une séance publicitaire, permet faire la recherche de la fin de la séance par un enchaînement de deux fonctions: d'abord, un déplacement direct du mécanisme lecteur sur le support d'enregistrement, la distance correspondant à la durée la plus courte d'une séance publicitaire (durée initialisée préalablement); en suite, une lecture en vitesse accélérée.

La présente invention concerne également un dispositif pour enregistrer des images télévision et de les restituer après lecture caractérisé en ce qu'il utilise un support d'enregistrement du type mémoire à accès direct, et qu'il comporte un mécanisme lecteur et un mécanisme enregistreur, le mécanisme lecteur et le mécanisme enregistreur étant séparés et indépendants, pouvant opérer simultanément, et pouvant être placés et déplacés d'une façon indépendante l'un de l'autre sur le support d'enregistrement, et qu'il comporte des mémoires tampons de synchronisation et d'adaptation de vitesse.

FEUILLE DE REMPLACEMENT

Les caractéristiques de l'invention ressortiront de la description qui suit, donnée à titre d'exemple non limitatif d'un mode préféré de l'invention:

La mémoire à accès direct du support d'enregistrement est réalisée par une mémoire linéaire à double porte du type semiconducteur ou autre, permettant un accès simultané en écriture et en lecture. Elle comporte un nombre important de cellules de mémoire, chaque cellule pouvant contenir une image de télévision (et les signaux son associés), formatée d'une manière adaptée. Chaque cellule est accédée par son adresse contenue dans le Registre d'Adresse Ecriture (RAE) pour le mécanisme enregistreur et dans le Registre d'Adresse Lecture (RAL) pour le mécanisme lecteur. Des mémoires tampons intermédiaires sont utilisées pour le formatage, la synchronisation, et l'adaptation de vitesse.

Le fonctionnement d'un tel dispositif est décrit ci-après:

Pour enregistrer, on initialise le RAE:

- à zéro, si la mémoire doit être utilisée à partir de son début,
- à la valeur qu'il avait lors de la fin du dernier enregistrement, si on veut enregistrer à la suite de l'enregistrement précédent,
- à la valeur actuelle du RAL, si on veut enregistrer à la suite de la dernière image qu'on a lu, ou
- à toute autre valeur permettant réaliser une fonction utile.

L'enregistrement comporte les étapes suivantes:

- dès qu'une image vidéo (avec les signaux son associés) est reçue du récepteur du téléviseur, elle est stockée après un formatage éventuel dans la cellule mémoire indiquée par le RAE;
- puis on ajoute "1" à la valeur du RAE afin que l'image vidéo suivante sera écrite dans la cellule mémoire suivante.

Pour lire, on initialise le RAL:

- à zéro, si la restitution d'images doit commencer au début de la mémoire,
- à la valeur qu'il avait lors de la fin de la dernière lecture, si on veut restituer à la suite de la dernière image qu'on a lu,
- à la valeur du RAE moins 1, si on veut restituer ce qu'on est en train d'enregistrer, ou
- à toute autre valeur permettant réaliser une fonction utile.

La lecture comporte les étapes suivantes:

- on lit l'image vidéo (avec les signaux son associés) indiquée par le RAL pour la stocker dans des mémoires tampons;
- puis, après un formatage éventuel, et à la fréquence de F images vidéo par seconde, l'image est transmise à l'écran du téléviseur pour restitution;

FEUILLE DE REMPLACEMENT

- puis on ajoute "1" à la valeur du RAL afin que l'image vidéo suivante sera lu de la cellule mémoire suivante.

Pour lire à vitesse normale en arrière, on procède comme pour la lecture en avant, sauf qu'on retire "1" de la valeur du RAL à la place de l'y ajouter, afin que l'image vidéo suivante sera lu à partir de la cellule mémoire précédente.

Pour lire à vitesse N fois accélérée en avant ou en arrière, on procède comme pour la lecture à vitesse normale, sauf qu'on ajoute/retire "N" respectivement à la place de "1" à/de la valeur du RAL, afin que l'image vidéo suivante sera lu à partir de la N-ième cellule mémoire qui suit/précède la cellule qu'on vient de lire.

Pour lire à vitesse N fois ralentie en avant ou en arrière, on procède comme pour la lecture à vitesse normale, sauf qu'on transmet l'image vidéo N fois au téléviseur pour restitution avant d'ajouter/retirer "1" respectivement à/de la valeur du RAL, afin de restituer le même image vidéo N fois avant de passer à la suivante.

Pour restituer en arrêt sur image, on transmet en permanence la même image vidéo identifiée par la valeur actuelle du RAL.

Pour restituer image par image en avant ou en arrière, on transmet en permanence la même image vidéo identifiée par la valeur actuelle du RAL, et - sur demande - on ajoute/retire "1" respectivement à/de la valeur du RAL, afin de restituer l'image vidéo suivante ou précédente.

Pour avancer rapidement en avant ou en arrière le mécanisme enregistreur ou le mécanisme lecteur, on ajoute/retire N au/du RAE ou au/du RAL respectivement, N étant le nombre d'images vidéo qu'on veut faire passer, afin de reprendre l'enregistrement ou la lecture N images vidéo plus loin.

Pour rendre plus dense un enregistrement d'images vidéo, et pour éliminer les séquences d'enregistrement qu'on ne veut pas garder, on copie successivement les séquences qu'on veut garder l'une derrière l'autre, en éliminant toutes celles qu'on ne veut pas garder. On utilise les fonctions primitives décrites en haut, en passant par les étapes suivantes:

- on cherche l'endroit de l'enregistrement derrière lequel on veut copier la séquence suivante, en utilisant toutes les fonctions de lecture et d'avancée rapide;

- pour la copie de la première séquence, on initialise le RAE avec la valeur du RAL (il est à noter que pour les séquences suivantes le RAE n'est plus modifié);

- on cherche la fin de la séquence qu'on veut éliminer, en utilisant toutes les fonctions de lecture et d'avancée rapide;

FEUILLE DE REMPLACEMENT

- on lit l'image vidéo (avec les signaux son associés) dans la cellule mémoire indiquée par le RAL et on l'écrit dans la cellule mémoire indiquée par le RAE, et on la restitue en même temps sur l'écran du téléviseur pour contrôle, puis on ajoute "1" au RAL et au RAE, afin de lire et copier l'image vidéo suivante.

Il est à noter que la copie peut se faire selon tous les modes de lecture décrits en haut, en apportant toujours la même modification au RAE qu'au RAL.

La mémoire du support d'enregistrement étant d'une taille limitée de L cellules, deux options sont offertes quand la mise à jour du RAE ou du RAL lors de l'enregistrement, de la lecture, ou de l'avancée rapide dépasse la valeur $L - 1$ ou devient négative en marche arrière:

- soit la fonction en cours s'arrête quand cette condition est remplie,
- soit la fonction continue après remplacement de la valeur du RAE ou du RAL par le modulo L de cette même valeur.

Selon une variante du mode préféré de l'invention, la mémoire linéaire est départagée en M plages et comporte $N = M + 1$ portes, les M portes avec leurs M registres RAE étant utilisées pour l'enregistrement de M programmes de télévision, l'unique porte de lecture avec son registre RAL permettant toutes les fonctions décrits en haut sur toutes les M plages d'enregistrement.

D'autres modes de réalisation du dispositif selon l'invention consistent à remplacer la mémoire linéaire comme support d'enregistrement par une mémoire rotative à accès direct, telle qu'une mémoire à bulles, un disque magnétique, un disque optique, un disque opto-magnétique, ou de toute autre technologie.

Les caractéristiques de ces modes de réalisation sont semblables à celles décrites en haut pour le mode préféré. Néanmoins, le mécanismes enregistreur et lecteur, bien que indépendants l'un de l'autre, sont tout de même soumis à la même vitesse angulaire de la mémoire rotative.

Ces modes de réalisation comportent donc en outre plusieurs (N) mécanismes lecteur, plusieurs (M) mécanismes enregistreur, et de mémoires tampons d'adaptation de vitesse supplémentaires.

Toutes les fonctions de lecture et d'avancée rapide sont exécutées à partir de la mémoire tampon, remplie en anticipation par les N mécanismes lecture à partir de N pistes adjacentes de la mémoire rotative.

L'écriture pour la fonction "copie à vitesse accélérée" se fait dans la mémoire tampon, vidée par les M mécanismes enregistreur vers M pistes adjacentes de la mémoire rotative.

Bien entendu, l'invention n'est pas limitée aux modes de réalisation décrits, il est possible d'envisager d'autres variantes, sans sortir du cadre de l'invention.

FEUILLE DE REMPLACEMENT

REVENDEICATIONS

1) Procédé d'enregistrement et de restitution d'images télévision, et d'élimination des séances publicitaires et d'autres séquences d'une émission de télévision, caractérisé en ce qu'il comporte les étapes suivantes:

- on enregistre une émission télévision sur le support d'enregistrement;
- on attend un temps T qui correspond à peu près à la durée de l'ensemble de toutes les séances publicitaires qu'on veut éliminer de l'émission qu'on souhaite regarder;
- on démarre la lecture du support d'enregistrement afin de restituer les images enregistrées sur un écran de télévision;
- dès le début de chaque séance publicitaire, on restitue les images en lecture à vitesse accélérée, de sorte qu'on peut identifier la fin de la séance publicitaire;
- dès la fin de la séance publicitaire, on restitue les images enregistrées à vitesse normale.

2) Procédé selon la revendication 1 caractérisé en ce qu'on rend plus dense un enregistrement d'images télévision, en éliminant des séances publicitaires et d'autres séquences de l'enregistrement, et qu'il comporte les étapes suivantes:

- on place le mécanisme enregistreur au début du support d'enregistrement ou derrière la première partie de l'enregistrement qu'on souhaite garder;
- on place le mécanisme lecteur au début du support d'enregistrement ou devant la deuxième partie de l'enregistrement qu'on souhaite garder;
- on fait une copie avec le mécanisme enregistreur des images télévision lus par le mécanisme lecteur, tout en restituant ces images sur l'écran d'un téléviseur pour contrôle;
- au début de chaque séance publicitaire, on arrête de faire la copie, laissant le mécanisme enregistreur sur place, et on cherche la fin de la séance publicitaire, en restituant des images en lecture à vitesse accélérée;
- a la fin de chaque séance publicitaire, on fait une copie avec le mécanisme enregistreur des images télévision lus par le mécanisme lecteur, tout en restituant ces images sur l'écran d'un téléviseur.

3) Procédé selon la revendication 2 caractérisé en ce qu'on fait la copie des images télévision dans un des modes suivants: vitesse normale en avant, vitesse accélérée en avant, vitesse ralentie en avant, vitesse normale en arrière, vitesse accélérée en arrière, vitesse ralentie en arrière, arrêt sur image, image par image en avant, image par image en arrière.

FEUILLE DE REMPLACEMENT

4) Procédé selon l'une des revendications 1, 2 ou 3 caractérisé en ce qu'au début d'une séance publicitaire, la recherche de la fin de la séance se fait par un enchaînement de deux fonctions:

-d'abord, un déplacement direct du mécanisme lecteur sur le support d'enregistrement, la distance correspondant à la durée la plus courte d'une séance publicitaire (durée initialisée préalablement);

- en suite, une lecture en vitesse accélérée.

5) Dispositif pour enregistrer des images télévision et de les restituer après lecture caractérisé en ce qu'il utilise un support d'enregistrement du type mémoire à accès direct; qu'il comporte un mécanisme lecteur et un mécanisme enregistreur, le mécanisme lecteur et le mécanisme enregistreur étant séparés et indépendants, pouvant opérer simultanément, et pouvant être placés et déplacés d'une façon indépendante l'un de l'autre sur le support d'enregistrement; et qu'il comporte des mémoires tampons de synchronisation et d'adaptation de vitesse.

6) Dispositif selon la revendication 5 caractérisé en ce qu'il comporte plusieurs (N) mécanismes lecteurs et/ou plusieurs (M) mécanismes enregistreurs.

7) Dispositif selon l'une des revendications 5 ou 6 caractérisé en ce que le(s) mécanisme(s) lecteur(s) restituent, et/ou que le(s) mécanisme(s) enregistreur(s) enregistrent, les images télévision dans un des modes suivants: vitesse normale en avant, vitesse accélérée en avant, vitesse ralentie en avant, vitesse normale en arrière, vitesse accélérée en arrière, vitesse ralentie en arrière, arrêt sur image, image par image en avant, image par image en arrière.

8) Dispositif selon l'une des revendications 5, 6, ou 7 caractérisé en ce que le(s) mécanisme(s) lecteur(s) et/ou le(s) mécanisme(s) enregistreur(s) se déplace/déplacent d'une façon directe d'un endroit sur le support d'enregistrement vers un autre.

9) Dispositif selon l'une des revendications 5, 6, 7, ou 8 caractérisé en ce que le(s) mécanisme(s) lecteur(s) et/ou le(s) mécanisme(s) enregistreur(s), arrivée(s) à la fin du support d'enregistrement, s'arrête/s'arrêtent de restituer ou d'enregistrer, ou continue/continuent de restituer ou d'enregistrer à partir du début du support.

FEUILLE DE REMPLACEMENT

INTERNATIONAL SEARCH REPORT

International Application No PCT/FR 89/00271

I. CLASSIFICATION OF SUBJECT MATTER (if several classification symbols apply, indicate all) ⁶		
According to International Patent Classification (IPC) or to both National Classification and IPC		
Int.Cl. ⁴ : G 11 B 27/02; G 11 B 15/02		
II. FIELDS SEARCHED		
Minimum Documentation Searched ⁷		
Classification System	Classification Symbols	
Int.Cl. ⁴ :	G 11 B	
Documentation Searched other than Minimum Documentation to the Extent that such Documents are Included in the Fields Searched ⁸		
III. DOCUMENTS CONSIDERED TO BE RELEVANT ⁹		
Category [*]	Citation of Document, ¹¹ with indication, where appropriate, of the relevant passages ¹²	Relevant to Claim No. ¹³
A	US, A, 4602297 (REESE) 22 July 1986, see column 2, line 4 - column 5, line 54; abstract* --	1-4
A	US, A, 4408309 (KIESLING ET AL.) 4 October 1983 see the whole document --	1-4
A	US, A, 4430676 (JOHNSON) 7 February 1984 see column 2, line 21 - column 8, line 64; abstract* --	1,2,5
A	US, A, 4314285 (BONNER ET AL.) 2 February 1982 see the whole document --	1,2
A	US, A, 4750052 (POPPY ET AL.) 7 June 1988 see the whole document --	1-3
A	EP, A, 0204578 (PICOTRIN TECHNOLOGY, INC.) 10 December 1986, see page 5, line 1 - page 9, line 4 --	1-3,5 9
	./.	
<p>[*] Special categories of cited documents: ¹⁰</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier document but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>"&" document member of the same patent family</p>		
IV. CERTIFICATION		
Date of the Actual Completion of the International Search	Date of Mailing of this International Search Report	
31 July 1989 (31.07.89)	21 August 1989 (21.08.89)	
International Searching Authority	Signature of Authorized Officer	
European Patent Office		

Form PCT/ISA/210 (second sheet) (January 1985)

III. DOCUMENTS CONSIDERED TO BE RELEVANT (CONTINUED FROM THE SECOND SHEET)		
Category *	Citation of Document, with indication, where appropriate, of the relevant passages	Relevant to Claim No.
A	FR, A, 2606922 (MEFLAH ET AL.) 20 May 1988 see page 5, line 4 - page 16, line 3 --	1-3,5, 8,9
A	DE, A, 3217557 (VICTOR COMPANY OF JAPAN, LTD.) 25 November 1982, see page 4, line 6 - page 7, line 2, see page 17, line 6 - page 20, line 4 --	1-4
A	Patent Abstracts of Japan, vol. 6, No: 171 (P-140) (1049) 4 September 1982, & JP-A-57 088542 (MATSU- SHITA DENKI SANGYO K.K.) 2 June 1982, * see the whole document *	1
A	RUNDFUNKTECHNISCHE MITTEILUNGEN, vol. 22, No: 1, February 1978, HAMBURG DE page 15 - 21; J. HEITMAN: "Zeitlupenwiedergabe und Suchlauf bei "Segmented Field"-Videorecordern" see the whole document --	1,3,5, 7
A	IMAGE TECHNOLOGY (JOURNAL OF THE BKSTS) vol. 70, No: 5, May 1988, LONDON GB page 158 - 161; J.D. MILLWARD: "Disc Based Storage Systems" see the whole document -----	1,5-8

**ANNEX TO THE INTERNATIONAL SEARCH REPORT
ON INTERNATIONAL PATENT APPLICATION NO.**

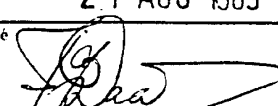
PCT/FR 89/00271
SA 29288

This annex lists the patent family members relating to the patent documents cited in the above-mentioned international search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information. 31/07/89

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US-A-4602297	22-07-86	None	
US-A-4408309	04-10-83	None	
US-A-4430676	07-02-84	None	
US-A-4314285	02-02-82	US-A- 4782401	01-11-88
US-A-4750052	07-06-88	CA-A- 1189182	18-06-85
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FR-A-2606922	20-05-88	None	
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		US-A- 4549231	22-10-85
		JP-A- 57186249	16-11-82

EPO FORM P0479

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

I. CLASSEMENT DE L'INVENTION (si plusieurs symboles de classification sont applicables, les indiquer tous) 7		
Selon la classification internationale des brevets (CIB) ou à la fois selon la classification nationale et la CIB		
CIB 4 G11B27/02 ; G11B15/02		
II. DOMAINES SUR LESQUELS LA RECHERCHE A PORTE		
Documentation minimale consultée ⁸		
Système de classification	Symboles de classification	
CIB 4	G11B	
Documentation consultée autre que la documentation minimale dans la mesure où de tels documents font partie des domaines sur lesquels la recherche a porté ⁹		
III. DOCUMENTS CONSIDERES COMME PERTINENTS ¹⁰		
Catégorie ¹¹	Identification des documents cités, avec indication, si nécessaire, ¹² des passages pertinents ¹³	No. des revendications visées ¹⁴
A	US,A,4602297 (REESE) 22 juillet 1986 voir colonne 2, ligne 4 - colonne 5, ligne 54 ; résumé*	1-4
A	US,A,4408309 (KIESLING ET AL.) 04 octobre 1983 voir le document en entier	1-4
A	US,A,4430676 (JOHNSON) 07 février 1984 voir colonne 2, ligne 21 - colonne 8, ligne 64; résumé*	1, 2, 5
A	US,A,4314285 (BONNER ET AL.) 02 février 1982 voir le document en entier	1, 2
A	US,A,4750052 (POPPY ET AL.) 07 juin 1988 voir le document en entier	1-3
	-/-	
<p>¹¹ Catégories spéciales de documents cités:</p> <p>"A" document définissant l'état général de la technique, non considéré comme particulièrement pertinent</p> <p>"E" document antérieur, mais publié à la date de dépôt international ou après cette date</p> <p>"I" document pouvant jeter un doute sur une revendication de priorité ou cité pour déterminer la date de publication d'une autre citation ou pour une raison spéciale (telle qu'indiquée)</p> <p>"O" document se référant à une divulgation orale, à un usage, à une exposition ou tous autres moyens</p> <p>"P" document publié avant la date de dépôt international, mais postérieurement à la date de priorité revendiquée</p> <p>"T" document ultérieur publié postérieurement à la date de dépôt international ou à la date de priorité et n'appartenant pas à l'état de la technique pertinent, mais cité pour comprendre le principe ou la théorie constituant la base de l'invention</p> <p>"X" document particulièrement pertinent; l'invention revendiquée ne peut être considérée comme nouvelle ou comme impliquant une activité inventive</p> <p>"Y" document particulièrement pertinent; l'invention revendiquée ne peut être considérée comme impliquant une activité inventive lorsque le document est associé à un ou plusieurs autres documents de même nature, cette combinaison étant évidente pour une personne du métier.</p> <p>"R" document qui fait partie de la même famille de brevets</p>		
IV. CERTIFICATION		
Date à laquelle la recherche internationale a été effectivement achevée	Date d'expédition du présent rapport de recherche internationale	
2 31 JUILLET 1989	21 AUG 1989	
Administration chargée de la recherche internationale	Signature du fonctionnaire autorisé	
OFFICE EUROPEEN DES BREVETS	DAALMANS F.J. 	

III. DOCUMENTS CONSIDERES COMME PERTINENTS ¹⁴		(SUITE DES RENSEIGNEMENTS INDIOUES SUR LA DEUXIEME FEUILLE)
Catégorie ¹⁵	Identification des documents cités, ¹⁶ avec indication, si nécessaire des passages pertinents ¹⁷	No. des revendications visées ¹⁸
A	EP,A,0204578 (PICOTRIN TECHNOLOGY, INC.) 10 décembre 1986 voir page 5, ligne 1 - page 9, ligne 4 ---	1-3, 5, 9
A	FR,A,2606922 (MEFLAH ET AL.) 20 mai 1988 voir page 5, ligne 4 - page 16, ligne 3 ---	1-3, 5, 8, 9
A	DE,A,3217557 (VICTOR COMPANY OF JAPAN,LTD.) 25 novembre 1982 voir page 4, ligne 6 - page 7, ligne 2 voir page 17, ligne 6 - page 20, ligne 4 ---	1-4
A	PATENT ABSTRACTS OF JAPAN vol. 6, no. 171 (P-140)(1049) 04 septembre 1982, & JP-A-57 088542 (MATSUSHITA DENKI SANGYO K.K.) 02 juin 1982, * voir le document en entier * ---	1
A	RUNDFUNKTECHNISCHE MITTEILUNGEN vol. 22, no. 1, février 1978, HAMBURG DE page 15 - 21; J.HEITMAN: "Zeitlupenwiedergabe und Suchlauf bei "Segmented Field"-Videorecordern" voir le document en entier ---	1, 3, 5, 7
A	IMAGE TECHNOLOGY (JOURNAL OF THE BKSTS) vol. 70, no. 5, mai 1988, LONDON GB page 158 - 161; J.D.MILLWARD: "Disc Based Storage Systems" voir le document en entier ---	1, 5-8

**ANNEXE AU RAPPORT DE RECHERCHE INTERNATIONALE
RELATIF A LA DEMANDE INTERNATIONALE NO.**

PCT/FR 89/00271
SA 29288

La présente annexe indique les membres de la famille de brevets relatifs aux documents brevets cités dans le rapport de recherche internationale visé ci-dessus.

Lesdits membres sont contenus au fichier informatique de l'Office européen des brevets à la date du

Les renseignements fournis sont donnés à titre indicatif et n'engagent pas la responsabilité de l'Office européen des brevets. 31/07/89

Document brevet cité au rapport de recherche	Date de publication	Membre(s) de la famille de brevet(s)	Date de publication
US-A-4602297	22-07-86	Aucun	
US-A-4408309	04-10-83	Aucun	
US-A-4430676	07-02-84	Aucun	
US-A-4314285	02-02-82	US-A- 4782401	01-11-88
US-A-4750052	07-06-88	CA-A- 1189182	18-06-85
EP-A-0204578	10-12-86	US-A- 4633331	30-12-86
FR-A-2606922	20-05-88	Aucun	
DE-A-3217557	25-11-82	JP-A- 57186207	16-11-82
		US-A- 4549231	22-10-85
		JP-A- 57186249	16-11-82

EPO FORM 10472

Pour tout renseignement concernant cette annexe : voir Journal Officiel de l'Office européen des brevets, No.12/82

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	15192598
	Filing Date	2016-06-24
	First Named Inventor	Milton Diaz Perez
	Art Unit	2426
	Examiner Name	ALAM, Mushfikh I.
	Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

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	5566287		1996-10-15	Delpuch	
	2	5689799		1997-11-18	Dougherty, et al.	
	3	5884033		1999-03-16	Duvall et al.	
	4	6018768		2000-01-25	Ullman et al.	
	5	6148081		2000-11-14	Szymanski et al.	
	6	6233736	B1	2001-05-15	Wolzien	
	7	7028327	B1	2006-04-11	Dougherty et al.	
	8	8107786	B2	2012-01-31	Sardera	

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

Application Number		15192598
Filing Date		2016-06-24
First Named Inventor	Milton Diaz Perez	
Art Unit	2426	
Examiner Name	ALAM, Mushfikh I.	
Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)	

9	6606746	B1	2003-08-12	Zdepski et al.
10	6678463	B1	2004-01-13	Pierre et al.
11	8332268	B2	2012-12-11	Carruthers et al.
12	6985586	B2	2006-01-10	Hill
13	7055169	B2	2006-05-30	Delpuch et al.
14	7243139	B2	2007-07-10	Ullman et al.
15	7421729	B2	2008-09-02	Zenoni
16	7644429	B2	2010-01-05	Bayassi et al.
17	7900229	B2	2011-03-01	Dureau
18	7949722	B1	2011-05-24	Ullman et al.
19	7996861	B1	2011-08-09	Delpuch

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
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Application Number	15192598
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Art Unit	2426
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20	7950033	B2	2011-05-24	Pierre et al.
21	7020888	B2	2006-03-28	Reynolds et al.
22	7725740	B2	2010-05-25	Kudelski et al.
23	7305691	B2	2007-12-04	Cristofalo
24	7409437	B2	2008-08-05	Ullman et al.
25	7490346	B2	2009-02-10	Alao et al.
26	8621541	B2	2013-12-31	Ullman et al.

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

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

Application Number	15192598
Filing Date	2016-06-24
First Named Inventor	Milton Diaz Perez
Art Unit	2426
Examiner Name	ALAM, Mushfikh I.
Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

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
	1							

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		

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	15192598		
Filing Date	2016-06-24		
First Named Inventor	Milton Diaz Perez		
Art Unit	2426		
Examiner Name	ALAM, Mushfikh I.		
Attorney Docket Number	BBitV-CIP1-D9 (07612/58)		

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	/Tzvi Hirshaut/	Date (YYYY-MM-DD)	2017-07-28
Name/Print	Tzvi Hirshaut	Registration Number	38,732

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:	15192598			
Filing Date:	24-Jun-2016			
Title of Invention:	SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM CONTENT ON TV SERVICES PLATFORM OF A DIGITAL TV SERVICES PROVIDER			
First Named Inventor/Applicant Name:	Milton Diaz Perez			
Filer:	Charles R. Macedo/Victoria Gilmore			
Attorney Docket Number:	BBiTV-CIP1-D9 (07612/58)			
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:	29925046
Application Number:	15192598
International Application Number:	
Confirmation Number:	1328
Title of Invention:	SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM CONTENT ON TV SERVICES PLATFORM OF A DIGITAL TV SERVICES PROVIDER
First Named Inventor/Applicant Name:	Milton Diaz Perez
Customer Number:	1912
Filer:	Charles R. Macedo/Victoria Gilmore
Filer Authorized By:	Charles R. Macedo
Attorney Docket Number:	BBiTV-CIP1-D9 (07612/58)
Receipt Date:	28-JUL-2017
Filing Date:	24-JUN-2016
Time Stamp:	16:53:57
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	073117INTEFSW00003649011785
Deposit Account	
Authorized User	

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

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		1- Response_to_Office_Action_of _May_2__2017.pdf	152651 369bd19a0f9e0be073b6ca082c780b48f96 ae65f5	yes	15
Multipart Description/PDF files in .zip description					
	Document Description		Start	End	
	Amendment/Req. Reconsideration-After Non-Final Reject		1	1	
	Claims		2	5	
	Applicant Arguments/Remarks Made in an Amendment		6	15	
Warnings:					
Information:					
2	Information Disclosure Statement (IDS) Form (SB08)	1-IDS27.pdf	613783 6fd4b0745aa8b9c210a68f0f13892b500982 3fcc	no	7
Warnings:					
Information:					
3	Foreign Reference	2-FR-WO9015507A1.pdf	1275355 241d332b7080ac42f10e692bdf949afdf2bfc 9ba	no	27
Warnings:					
Information:					
4	Foreign Reference	3-FR-WO8912896A1.pdf	782070 fe129ed6d66077bd9c3deb8dc1762958158 66e7e	no	16
Warnings:					
Information:					
5	Non Patent Literature	4-NPLPetition_for_Cert.pdf	16626834 d6ee59137bd95878642fafad920965ae069 bddc9	no	172

Warnings:					
Information:					
6	Non Patent Literature	5-NPLCert-Decision.pdf	83479 b5443125f927e54eb0b042bd8811c4d44fc e7a79	no	13
Warnings:					
Information:					
7	Non Patent Literature	6-NPL-Ciciora_Farmer_Large.pdf	8654296 a9c5db904ea1628b48833e8171669d2096 9cc97a	no	18
Warnings:					
Information:					
8	Information Disclosure Statement (IDS) Form (SB08)	7-IDS-28.pdf	1036162 ef411fc0d02274161b053847ae2b21aee74 dbc1c	no	6
Warnings:					
Information:					
9	Fee Worksheet (SB06)	fee-info.pdf	30579 db195d2c27210235f84426d6dfdcd1c701b d202c	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			29255209		
<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>					

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.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 15/192,598	Filing Date 06/24/2016	<input type="checkbox"/> To be Mailed
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ENTITY: LARGE SMALL MICRO

APPLICATION AS FILED – PART I

	(Column 1)	(Column 2)		RATE (\$)	FEE (\$)
<input type="checkbox"/> BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A		N/A	
<input type="checkbox"/> SEARCH FEE (37 CFR 1.16(k), (j), or (m))	N/A	N/A		N/A	
<input type="checkbox"/> EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 = *			X \$ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 = *			X \$ =	
<input type="checkbox"/> APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).				
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))					
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL	

APPLICATION AS AMENDED – PART II

	(Column 1)	(Column 2)	(Column 3)		RATE (\$)	ADDITIONAL FEE (\$)
AMENDMENT	07/28/2017	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		
	Total (37 CFR 1.16(i))	* 17	Minus	** 20	= 0	0
	Independent (37 CFR 1.16(h))	* 1	Minus	***3	= 0	0
	<input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))					
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					
				TOTAL ADD'L FEE	0	

	(Column 1)	(Column 2)	(Column 3)		RATE (\$)	ADDITIONAL FEE (\$)
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		
	Total (37 CFR 1.16(i))	*	Minus	**	=	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	
	<input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))					
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					
				TOTAL ADD'L FEE		

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
 ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
 *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

LIE
/DORIS KING/

This collection of information is required by 37 CFR 1.16. 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, 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.**
 If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



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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.
Row 1: 15/192,598, 06/24/2016, Milton Diaz Perez, BBitV-CIP1-D9 (07612/58), 1328
Row 2: 1912, 7590, 10/30/2017, AMSTER, ROTHSTEIN & EBENSTEIN LLP, 90 PARK AVENUE, NEW YORK, NY 10016
Row 3: EXAMINER ALAM, MUSHFIKH I
Row 4: ART UNIT 2426, PAPER NUMBER
Row 5: NOTIFICATION DATE 10/30/2017, DELIVERY MODE ELECTRONIC

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.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PTODOCKET@ARELAW.COM

Office Action Summary	Application No. 15/192,598	Applicant(s) PEREZ, MILTON DIAZ	
	Examiner MUSHFIKH ALAM	Art Unit 2426	AIA (First Inventor to File) Status No

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

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 7/28/2017.
 A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) 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.
- 4) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

- 5) Claim(s) 1-17 is/are pending in the application.
5a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 6) Claim(s) _____ is/are allowed.
- 7) Claim(s) 1-17 is/are rejected.
- 8) Claim(s) _____ is/are objected to.
- 9) Claim(s) _____ are subject to restriction and/or election requirement.

* If any claims have been determined allowable, 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.

Application Papers

- 10) The specification is objected to by the Examiner.
- 11) The drawing(s) filed on 6/24/2016 is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

- 12) 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)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b)
Paper No(s)/Mail Date 7/28/2017.
- 3) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 4) Other: _____.

DETAILED ACTION

1. Claims 1-17 are pending.
2. The present application is being examined under the pre-AIA first to invent provisions.

Terminal Disclaimer

3. The terminal disclaimer filed on 7/28/2017 disclaiming the terminal portion of any patent granted on this application has been reviewed and is accepted. The terminal disclaimer has been recorded.

Claim Rejections - 35 USC § 103

4. The following is a quotation of pre-AIA 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claim 1-6, 8-14 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Novak (US 2002/0104099) in view of Ellis et al. (US 2002/0042921), and further in view of Betz et al. (US 2003/0126605).

Claim 1, Novak teaches “an Internet-connected digital device (122) for receiving via the Internet video content to be viewed by a subscriber of a video-on-demand system (i.e. video on demand embodiment) (p. 0068)”,

“the Internet-connected digital device (122) being configured to obtain and present to the subscriber an electronic program guide as a templated video-on-demand display” (p. 0025-0026, 0068);

“wherein the received video content was uploaded to a Web-based content management system (i.e. website) by a content provider device (222) associated with the video content provider (i.e. server) via the Internet in a digital video format, along with associated metadata (i.e. title) including title information and category information (i.e. content uploaded to server than linked to website or visa versa both envisioned) (p. 0025-0026, 0057, 0068, 0079)”.

Novak not entirely clear in teaching “using a hierarchically arranged electronic program guide”;

“*an electronic program guide* which uses at least one of a plurality of different display templates to which the Internet-connected digital device has access, to enable a subscriber using the Internet-connected digital device to navigate in a drill-down manner through titles by category information in order to locate a particular one of the titles whose associated video content is desired for viewing on the Internet-connected digital device using the same category information as was designated by a video content provider in metadata associated with the video content”;

wherein the templated video-on-demand display has been generated in a plurality of layers, comprising:

(a) a first layer comprising a background screen to provide at least one of a basic color, logo, or graphical theme to display;

(b) a second layer comprising a particular display template from the plurality of different display templates layered on the background screen, wherein the particular display template comprises one or more reserved areas that are reserved for displaying content provided by a different layer of the plurality of layers; and

(c) a third layer comprising reserved area content generated using the received video content, the associated metadata, and the associated plurality of images to be displayed in the one or more reserved areas in the particular display template as at least one of text, an image, a navigation link, and a button,

“along with an associated plurality of images designated by the video content provider, the associated metadata specifying a respective hierarchical location of a respective title of the video content within the electronic program guide to be displayed on the Internet-connected digital device using the respective hierarchically-arranged category information associated with the respective title”;

“wherein at least one of the uploaded associated plurality of images designated by the video content provider is displayed with the associated respective title in the templated video-on-demand display”.

Ellis teaches “using a hierarchically arranged electronic program guide” (fig. 13);

“*an electronic program guide* which uses at least one of a plurality of different display templates (figs. 13+) to which the Internet-connected digital device (122) has access, to enable a subscriber using the Internet-connected digital device to navigate in a drill-down manner through titles by category information in order to locate a particular one of the titles (figs. 13+) whose associated video content is desired for viewing on the

Internet-connected digital device (122) using the same category information as was designated by a video content provider (i.e. server) in metadata associated with the video content” (figs. 9+; p. 0005);

wherein the templated video-on-demand display has been generated in a plurality of layers (fig. 13+), comprising:

(a) a first layer comprising a background screen to provide at least one of a basic color, logo, or graphical theme to display (i.e. background of any screen) (fig. 13);

(b) a second layer comprising a particular display template from the plurality of different display templates layered on the background screen (figs. 13+), wherein the particular display template comprises one or more reserved areas that are reserved for displaying content provided by a different layer of the plurality of layers (i.e. advertisement) (fig. 13+); and

(c) a third layer comprising reserved area content generated using the received video content, the associated metadata, and the associated plurality of images to be displayed in the one or more reserved areas in the particular display template as at least one of text, an image, a navigation link, and a button (figs. 13+),

“along with an associated plurality of images designated by the video content provider, the associated metadata specifying a respective hierarchical location of a respective title of the video content within the electronic program guide (i.e. VOD titles are navigated through numerous categories) to be displayed on the Internet-connected digital device using the respective hierarchically-arranged category information associated with the respective title” (figs. 13+; p. 0085-0088).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided a drill down menu as taught by Ellis to the system of Novak to allow users to navigate content (p. 0005).

Betz teaches the specific feature of “wherein at least one of the uploaded (i.e. of Novak) associated plurality of images designated by the video content provider is displayed (i.e. still picture or poster) with the associated respective title in the templated video-on-demand display” (i.e. VOD programs) (p. 0002)

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided display of program related graphics as taught by Betz to the system of Novak to improve a user's browsing experience (p. 0002).

Claim 2, Novak teaches the specific feature of “the Internet-connected digital device of claim 1, wherein the associated plurality of images that are received” (p. 0025-0026, 0057).

Novak is not entirely clear in teaching the specific feature of “the associated plurality of images includes at least one of graphic, video and audio elements”.

Ellis teaches the specific feature of “the associated plurality of images includes at least one of graphic, video and audio elements” (i.e. icon for programs in VOD list) (fig. 13).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided a drill down menu as taught by Ellis to the system of Novak to allow users to navigate content (p. 0005).

Claim 3, Novak is silent regarding the Internet-connected digital device of claim 1, wherein the plurality of different display templates for display with the electronic program guide are used to locate the particular one of the titles in a drill-down manner from a first level of a hierarchical structure of the electronic program guide to a second level of the hierarchical structure of the electronic program guide, wherein a first of the plurality of different display templates is used for displaying the first level of the electronic program guide and wherein a second of the plurality of different display templates is used for displaying the second level of the electronic program guide.

Ellis teaches the Internet-connected digital device of claim 1, wherein the plurality of different display templates for display with the electronic program guide are used to locate the particular one of the titles in a drill-down manner from a first level of a hierarchical structure of the electronic program guide to a second level of the hierarchical structure of the electronic program guide, wherein a first of the plurality of different display templates is used for displaying the first level of the electronic program guide and wherein a second of the plurality of different display templates is used for displaying the second level of the electronic program guide (fig. 13+; p. 0085-0088).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided a drill down menu as taught by Ellis to the system of Novak to allow users to navigate content (p. 0005).

Claim 4, Novak is not entirely clear in teaching the Internet-connected digital device of claim 1, wherein at least a first display template of the plurality of different video display templates is associated with at least the video content provider.

Ellis teaches the Internet-connected digital device of claim 1, wherein at least a first display template of the plurality of different video display templates is associated with at least the video content provider (main facility aggregates program guide data) (fig. 13; p. 0033).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided a drill down menu as taught by Ellis to the system of Novak to allow users to navigate content (p. 0005).

Claim 5, Novak teaches the Internet-connected digital device of claim 1, wherein the associated metadata includes descriptive data about the video content (i.e. information related to object) (p. 0026).

Claim 6, Novak is silent regarding the Internet-connected digital device of claim 1, wherein the one or more category terms associated with the first video-on-demand

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program content correspond to one or more topics that pertain to video-on-demand program content from more than one content provider.

Ellis teaches the Internet-connected digital device of claim 1, wherein the one or more category terms associated with the first video-on-demand program content (e.g. movies, new releases, etc.) correspond to one or more topics that pertain to video-on-demand program content from more than one content provider (on-demand data can be retrieved from on demand data source, main facility or other) (p. 0046).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided a drill down menu as taught by Ellis to the system of Novak to allow users to navigate content (p. 0005).

Claim 8, Novak teaches the Internet-connected digital device of claim 1, wherein the Internet-connected digital device is a set top box (152) (p. 0028).

Claim 9, Novak teaches the Internet-connected digital device of claim 1, wherein the Internet-connected digital device uses the Internet Protocol (p. 0030).

Claim 10, Novak teaches the Internet-connected digital device of claim 1, wherein the Internet-connected digital device is configured to be used with an Internet Protocol TV (IPTV) system (i.e. Internet or other IP system) (p. 0089).

Claim 13, Novak teaches the Internet-connected digital device of claim 1, wherein the Internet-connected digital device is a media player (152) (p. 0028).

Claim 14, Novak is silent regarding the Internet-connected digital device of claim 1, wherein the Internet-connected digital device is a game console.

Ellis teaches the Internet-connected digital device of claim 1, wherein the Internet-connected digital device is a game console (i.e. receives video game data) (p. 0036).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided a game console as taught by Ellis to the system on Novak to allow users to receive video game content (p. 0036).

6. Claim 7 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Novak (US 2002/0104099) in view of Ellis et al. (US 2002/0042921), and further in view of Betz et al. (US 2003/0126605), and further in view of Segerberg et al. (US 6910191).

Claim 7, Novak is silent regarding the Internet-connected digital device of claim 1, wherein the one or more category terms associated with the first video-on-demand program content correspond to one or more content providers and wherein the hierarchically arranged electronic program guide is organized according to the content provider.

Ellis teaches the specific feature of "the Internet-connected digital device of claim 1, wherein the one or more category terms (e.g. movies) associated with the first video-on-demand program content" (fig. 13).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided a drill down menu as taught by Ellis to the system of Novak to allow users to navigate content (p. 0005).

Segerberg teaches the specific feature of "program content, wherein the hierarchically arranged electronic program guide is organized according to the content provider" (i.e. different sources) (col. 4, lines 11-51).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided a display with multiple sources as taught by Segerberg to the system of Novak to allow users to see which source programming is from (col. 4, lines 4-10).

7. Claim 11-12 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Novak (US 2002/0104099) in view of Ellis et al. (US 2002/0042921), and further in view of Betz et al. (US 2003/0126605), and further in view of Gu et al. (US 2004/0158855).

Claim 11, Novak is silent regarding the Internet-connected digital device of claim 1, wherein the Internet-connected digital device is a digital phone.

Gu teaches the Internet-connected digital device of claim 1, wherein the Internet-connected digital device is a digital phone (140) (p. 0022-0027).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided mobile devices as taught by Gu to the system of Novak to broaden scopes of signal transmission (p. 0012).

Claim 12, Novak is silent regarding the Internet-connected digital device of claim 1, wherein the Internet-connected digital device is a personal digital assistant (PDA).

Gu teaches the Internet-connected digital device of claim 1, wherein the Internet-connected digital device is a personal digital assistant (PDA) (140) (p. 0022-0027).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided mobile devices as taught by Gu to the system of Novak to broaden scopes of signal transmission (p. 0012).

8. Claim 15 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Novak (US 2002/0104099) in view of Ellis et al. (US 2002/0042921), and further in view of Betz et al. (US 2003/0126605), and further in view of Rodriguez et al. (US 2002/0007485).

Claim 15, Novak is silent regarding the Internet-connected digital device of claim 1, wherein the Internet-connected digital device is further configured to receive a selection from the subscriber to bookmark a selected title and to store an electronic

guide location address for the video-on-demand program associated with the selected title as an electronic bookmark for later viewing.

Rodriguez teaches the Internet-connected digital device of claim 1, wherein the Internet-connected digital device is further configured to receive a selection from the subscriber to bookmark a selected title and to store an electronic guide location address for the video-on-demand program associated with the selected title as an electronic bookmark for later viewing (i.e. bookmark a scene) (p. 0052).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided bookmarking as taught by Rodriguez to the system of Novak to allow users to easily retrieve saved programming (p. 0052).

9. Claim 16-17 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Novak (US 2002/0104099) in view of Ellis et al. (US 2002/0042921), and further in view of Betz et al. (US 2003/0126605), and further in view of Rodriguez et al. (US 2002/0007485), and further in view of Wong et al. (US 2007/0277201).

Claim 16, Novak is silent regarding the Internet-connected digital device of claim 15, wherein the Internet-connected digital device is further configured to send the electronic bookmark from the Internet-connected digital device to a second Internet-connected digital device.

Wong teaches regarding the Internet-connected digital device of claim 15, wherein the Internet-connected digital device is further configured to send the electronic

bookmark (i.e. token) from the Internet-connected digital device to a second Internet-connected digital device (fig. 5; p. 0013)

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided sending tokens to other users as taught by Wong to the system of Novak to allow users to share favorite programs with others (p. 0013).

Claim 17, Novak is silent regarding the Internet-connected digital device of claim 15, wherein the Internet-connected digital device is further configured to transmit an email including the stored electronic bookmark to an email address of a user on the Internet.

Wong teaches the Internet-connected digital device of claim 15, wherein the Internet-connected digital device is further configured to transmit an email including the stored electronic bookmark (i.e. token) to an email address of a user on the Internet (fig. 5; p. 0013).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided sending tokens to other users as taught by Wong to the system of Novak to allow users to share favorite programs with others (p. 0013).

Response to Arguments

10. Applicant's arguments with respect to claims 1-17 have been considered but are moot because the arguments do not apply to any of the references being used in the current rejection.

Conclusion

11. Claims 1-17 are rejected.

12. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Inquiries

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MUSHFIKH ALAM whose telephone number is (571)270-1710. The examiner can normally be reached on Mon-Fri: 8:30-18:00 EST.

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, Nasser Goodarzi can be reached on (571)272-4195. The fax phone 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.

/MUSHFIKH ALAM/
Primary Examiner, Art Unit 2426
10/25/2017

Notice of References Cited	Application/Control No. 15/192,598	Applicant(s)/Patent Under Reexamination PEREZ, MILTON DIAZ	
	Examiner MUSHFIKH ALAM	Art Unit 2426	Page 1 of 1

U.S. PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A US-2003/0126605 A1	07-2003	Betz, Steve Craig	H04N5/44543	725/39
	B US-				
	C US-				
	D US-				
	E US-				
	F US-				
	G US-				
	H US-				
	I US-				
	J US-				
	K US-				
	L US-				
	M US-				


FOREIGN PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
	N				
	O				
	P				
	Q				
	R				
	S				
	T				

NON-PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
	Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)				
	U				
	V				
	W				
	X				

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

<i>Index of Claims</i> 	Application/Control No. 15192598	Applicant(s)/Patent Under Reexamination PEREZ, MILTON DIAZ
	Examiner MUSHFIKH ALAM	Art Unit 2426

✓	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	04/24/2017	10/25/2017						
	1	✓	✓						
	2	✓	✓						
	3	✓	✓						
	4	✓	✓						
	5	✓	✓						
	6	✓	✓						
	7	✓	✓						
	8	✓	✓						
	9	✓	✓						
	10	✓	✓						
	11	✓	✓						
	12	✓	✓						
	13	✓	✓						
	14	✓	✓						
	15	✓	✓						
	16	✓	✓						
	17	✓	✓						

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	15192598
	Filing Date	2016-06-24
	First Named Inventor	Milton Diaz Perez
	Art Unit	2426
	Examiner Name	ALAM, Mushfikh I.
	Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

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	5566287		1996-10-15	Delpuch	
	2	5689799		1997-11-18	Dougherty, et al.	
	3	5884033		1999-03-16	Duvall et al.	
	4	6018768		2000-01-25	Ullman et al.	
	5	6148081		2000-11-14	Szymanski et al.	
	6	6233736	B1	2001-05-15	Wolzien	
	7	7028327	B1	2006-04-11	Dougherty et al.	
	8	8107786	B2	2012-01-31	Sardera	

**INFORMATION DISCLOSURE
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First Named Inventor	Milton Diaz Perez	
Art Unit	2426	
Examiner Name	ALAM, Mushfikh I.	
Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)	

9	6606746	B1	2003-08-12	Zdepski et al.
10	6678463	B1	2004-01-13	Pierre et al.
11	8332268	B2	2012-12-11	Carruthers et al.
12	6985586	B2	2006-01-10	Hill
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Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

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22	7725740	B2	2010-05-25	Kudelski et al.
23	7305691	B2	2007-12-04	Cristofalo
24	7409437	B2	2008-08-05	Ullman et al.
25	7490346	B2	2009-02-10	Alao et al.
26	8621541	B2	2013-12-31	Ullman et al.

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					

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FOREIGN PATENT DOCUMENTS

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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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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		

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EXAMINER SIGNATURE

Examiner Signature	/MUSHFIKH I ALAM/	Date Considered	10/25/2017
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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.

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

Application Number	15192598		
Filing Date	2016-06-24		
First Named Inventor	Milton Diaz Perez		
Art Unit	2426		
Examiner Name	ALAM, Mushfikh I.		
Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)		

CERTIFICATION STATEMENT

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OR

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See attached certification statement.

- The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
- 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	/Tzvi Hirshaut/	Date (YYYY-MM-DD)	2017-07-28
Name/Print	Tzvi Hirshaut	Registration Number	38,732

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	Examiner Name	ALAM, Mushfikh I.
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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	4751578	A	1988-06-14	Reiter, et al.	
	2	5485219	A	1996-01-16	Woo	
	3	5559549	A	1996-09-24	Hendricks, et al.	
	4	5592551	A	1997-01-07	Lett, et al.	
	5	5699125	A	1997-12-16	Rzeszewski, et al.	
	6	5790935	A	1998-08-04	Payton	
	7	5805763	A	1998-09-08	Lawler, et al.	
	8	5822123	A	1998-10-13	Davis, et al.	

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9	6029045	A	2000-02-22	Picco, et al.
10	5778181		1997-07-07	Hidary et al.
11	6163316	A	2000-12-19	Killian
12	6201538	B1	2001-03-13	Wugofski
13	6208799	B1	2001-03-27	Marsh, et al.
14	6418556	B1	2002-07-09	Bennington, et al.
15	6445398	B1	2002-09-03	Gerba, et al.
16	6766100	B1	2004-07-20	Komar, et al.
17	6772433	B1	2004-08-03	LaJoie, et al.
18	8566871	B2	2013-10-22	Knowles, et al.
19	8713595	B2	2014-04-29	Lemmons et al.

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20	7698723	B2	2010-04-13	Hicks, III, et al.
21	7885963	B2	2011-02-08	Sanders
22	7047411	B1	2006-05-16	DeMello et al.
23	8051450	B2	2011-11-01	Robarts, et al.
24	8122034	B2	2012-02-21	Aravamudan, et al.
25	8955029	B2	2015-02-10	Lewis
26	5701161		1997-12-23	Williams et al.

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U.S.PATENT APPLICATION PUBLICATIONS

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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
	1	20040194141	A1	2004-09-30	Sanders	
	2	20050240968	A1	2005-10-27	Knudson, et al.	

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3	20050204388	A1	2005-09-15	Knudson, et al.
4	20050129049	A1	2005-06-16	Srinivasan et al.
5	20020057892	A1	2002-05-16	Mano et al.

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FOREIGN PATENT DOCUMENTS

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
	1	90/15507	WO	A1	1990-12-13	Vogel		
	2	89/12896	WO	A1	1989-12-28	Siegfried		

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	Broadband iTV, Inc. v. Hawaiian Telcom, Inc. et al; BBiTV Petition for a Writ of Certiorari (Sup. Ct. April 13, 2017 (No.16-1241)).	
	2	Order List 581 U.S. Sup. Ct.- Monday, May 22, 2017 - Broadband iTV, Inc. v. Hawaiian Telcom, Inc., et al., Petition for Writ of Certiorari Denied (p.7)	

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3	Ciciora, Farmer, & Large, Modern Cable Television Technology (Morgan Kaufmann Publishers, Inc. 1999), 18 pages
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EXAMINER SIGNATURE

Examiner Signature	/MUSHFIKH I ALAM/	Date Considered	10/25/2017
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Search Notes 	Application/Control No. 15192598	Applicant(s)/Patent Under Reexamination PEREZ, MILTON DIAZ
	Examiner MUSHFIKH ALAM	Art Unit 2426

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
725	74-104	4/24/2017	MA
725	74-104	10/25/2017	MA

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

SEARCH NOTES		
Search Notes	Date	Examiner
Inventor Search	4/24/2017	
725/74-104 - limited by text search	4/24/2017	MA
725 - limited by text search	4/24/2017	MA
725/74-104 - limited by text search	10/25/2017	MA
725 - limited by text search	10/25/2017	MA

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	7814519	B2	2010-10-12	Rao et al.	

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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
	1	20100175090	A1	2010-07-08	Cordray	
	2	20080155613	A1	2008-06-26	Benya et al.	
	3	20050216941	A1	2005-09-29	Flanagan et al.	
	4	20050097600	A1	2005-05-05	Heer	
	5	20020199188	A1	2002-12-26	Sie et al.	

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6	20030149981	A1	2003-08-07	Finster, et al.
7	20080276277	A1	2008-11-06	Ahn, et al.

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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:	15192598			
Filing Date:	24-Jun-2016			
Title of Invention:	SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM CONTENT ON TV SERVICES PLATFORM OF A DIGITAL TV SERVICES PROVIDER			
First Named Inventor/Applicant Name:	Milton Diaz Perez			
Filer:	Tzvi Hirshaut/Victoria Gilmore			
Attorney Docket Number:	BBiTV-CIP1-D9 (07612/58)			
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:	30975321
Application Number:	15192598
International Application Number:	
Confirmation Number:	1328
Title of Invention:	SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM CONTENT ON TV SERVICES PLATFORM OF A DIGITAL TV SERVICES PROVIDER
First Named Inventor/Applicant Name:	Milton Diaz Perez
Customer Number:	1912
Filer:	Tzvi Hirshaut/Victoria Gilmore
Filer Authorized By:	Tzvi Hirshaut
Attorney Docket Number:	BBiTV-CIP1-D9 (07612/58)
Receipt Date:	16-NOV-2017
Filing Date:	24-JUN-2016
Time Stamp:	17:00:45
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	111717INTEFSW00004233011785
Deposit Account	
Authorized User	

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

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)	58-IDS.pdf	1035414	no	4
			f7e13f963238491c0bebb92ef435d35ae5640e23		

Warnings:**Information:**

2	Fee Worksheet (SB06)	fee-info.pdf	30634	no	2
			efcec9e9fcccfe23227b0421b0f77531092015357		

Warnings:**Information:**

Total Files Size (in bytes):	1066048
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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	15192598
	Filing Date	2016-06-24
	First Named Inventor	Milton Diaz Perez
	Art Unit	2426
	Examiner Name	ALAM, Mushfikh I.
	Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

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	5616876	A	1997-04-01	Cluts	
	2	5670730	A	1997-09-23	Grewe et al.	
	3	5739451	A	1998-04-14	Winsky et al.	
	4	5798921	A	1998-08-25	Johnson et al.	
	5	5918303	A	1999-06-29	Yamaura et al.	
	6	5969283	A	1999-10-19	Looney et al.	
	7	6062868	A	2000-05-16	Toriumi	
	8	6118450	A	2000-09-12	Proehl et al.	

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

Application Number	15192598
Filing Date	2016-06-24
First Named Inventor	Milton Diaz Perez
Art Unit	2426
Examiner Name	ALAM, Mushfikh I.
Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

9	6128012	A	2000-10-03	Seidensticker, Jr., et al.
10	6248946	B1	2001-06-19	Dwek
11	6332175	B1	2001-12-18	Birrell et al.
12	6377530	B1	2002-04-23	Burrows
13	6760721	B1	2004-07-06	Chasen et al.
14	6928433	B2	2005-08-09	Goodman et al.
15	6976229	B1	2005-12-13	Balabanovic et al.

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	20020045960	A1	2002-04-18	Phillips et al.	
	2	20030016940	A1	2003-01-23	Robbins	

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

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

Application Number	15192598
Filing Date	2016-06-24
First Named Inventor	Milton Diaz Perez
Art Unit	2426
Examiner Name	ALAM, Mushfikh I.
Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

FOREIGN PATENT DOCUMENTS Remove

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
	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
	1		

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

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	15192598
Filing Date	2016-06-24
First Named Inventor	Milton Diaz Perez
Art Unit	2426
Examiner Name	ALAM, Mushfikh I.
Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

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	/Tzvi Hirshaut/	Date (YYYY-MM-DD)	2017-12-11
Name/Print	Tzvi Hirshaut	Registration Number	38,732

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:	15192598			
Filing Date:	24-Jun-2016			
Title of Invention:	SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM CONTENT ON TV SERVICES PLATFORM OF A DIGITAL TV SERVICES PROVIDER			
First Named Inventor/Applicant Name:	Milton Diaz Perez			
Filer:	Tzvi Hirshaut/Victoria Gilmore			
Attorney Docket Number:	BBiTV-CIP1-D9 (07612/58)			
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:	31190639
Application Number:	15192598
International Application Number:	
Confirmation Number:	1328
Title of Invention:	SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM CONTENT ON TV SERVICES PLATFORM OF A DIGITAL TV SERVICES PROVIDER
First Named Inventor/Applicant Name:	Milton Diaz Perez
Customer Number:	1912
Filer:	Tzvi Hirshaut/Victoria Gilmore
Filer Authorized By:	Tzvi Hirshaut
Attorney Docket Number:	BBiTV-CIP1-D9 (07612/58)
Receipt Date:	11-DEC-2017
Filing Date:	24-JUN-2016
Time Stamp:	16:50:03
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	121217INTEFSW00004708011785
Deposit Account	
Authorized User	

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

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)	58-IDS.pdf	1035872 37726bdbfcd61c0bf76eca721cab56fd53a3d526	no	5

Warnings:**Information:**

2	Fee Worksheet (SB06)	fee-info.pdf	30634 c0bce3c9da9b269826cf21f9db685eccc0228a46	no	2
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Warnings:**Information:****Total Files Size (in bytes):**

1066506

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

Application No. : 15/192,598 Confirmation No. 1328
Inventor : Milton Diaz Perez
Filed : June 24, 2016
TC/A.U. : 2426
Title : SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM
CONTENT ON TV SERVICES PLATFORM OF A DIGITAL TV
SERVICES PROVIDER
Examiner : Mushfikh Alam
Docket No. : BBiTV-CIP1-D9 (07612/58)
Customer No. : 1912

RESPONSE TO OFFICE ACTION OF OCTOBER 30, 2017

Mail Stop: Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the final Office Action dated October 30, 2017, please amend the above-identified application as follows:

Amendments to the Claims begin on page 2 of this paper.

Remarks begin on page 6 of this paper.

In view of the amendments and remarks, prompt and favorable reconsideration of this Application is respectfully requested. *If, however, the Examiner believes that there are any unresolved issues, or believes that the Application is not in condition for Allowance, Applicant respectfully requests that the Examiner contact the undersigned to schedule a telephonic Examiner Interview before any further Actions on the merits.*

659534.1

AMENDMENTS TO THE CLAIMS

1. (Previously Presented) An Internet-connected digital device for receiving via the Internet video content to be viewed by a subscriber of a video-on-demand system using a hierarchically arranged electronic program guide,

the Internet-connected digital device being configured to obtain and present to the subscriber an electronic program guide as a templated video-on-demand display, which uses at least one of a plurality of different display templates to which the Internet-connected digital device has access, to enable a subscriber using the Internet-connected digital device to navigate in a drill-down manner through titles by category information in order to locate a particular one of the titles whose associated video content is desired for viewing on the Internet-connected digital device using the same category information as was designated by a video content provider in metadata associated with the video content;

wherein the templated video-on-demand display has been generated in a plurality of layers, comprising:

(a) a first layer comprising a background screen to provide at least one of a basic color, logo, or graphical theme to display;

(b) a second layer comprising a particular display template from the plurality of different display templates layered on the background screen, wherein the particular display template comprises one or more reserved areas that are reserved for displaying content provided by a different layer of the plurality of layers; and

(c) a third layer comprising reserved area content generated using the received video content, the associated metadata, and the associated plurality of images to be displayed in the one or more reserved areas in the particular display template as at least one of text, an image, a navigation link, and a button,

wherein the received video content was uploaded to a Web-based content management system by a content provider device associated with the video content provider via the Internet in a digital video format, along with associated metadata including title information and category information, and along with an associated plurality of images designated by the video content provider, the associated metadata specifying a respective hierarchical location of a respective

title of the video content within the electronic program guide to be displayed on the Internet-connected digital device using the respective hierarchically-arranged category information associated with the respective title,

wherein at least one of the uploaded associated plurality of images designated by the video content provider is displayed with the associated respective title in the templated video-on-demand display.

2. (Original) The Internet-connected digital device of claim 1, wherein the associated plurality of images that are received includes at least one of graphic, video and audio elements.

3. (Previously Presented) The Internet-connected digital device of claim 1, wherein the plurality of different display templates for display with the electronic program guide are used to locate the particular one of the titles in a drill-down manner from a first level of a hierarchical structure of the electronic program guide to a second level of the hierarchical structure of the electronic program guide, wherein a first of the plurality of different display templates is used for displaying the first level of the electronic program guide and wherein a second of the plurality of different display templates is used for displaying the second level of the electronic program guide.

4. (Currently Amended) The Internet-connected digital device of claim 1, wherein at least a first ~~video~~ display template of the plurality of different display templates is associated with at least the video content provider.

5. (Original) The Internet-connected digital device of claim 1, wherein the associated metadata includes descriptive data about the video content.

6. (Original) The Internet-connected digital device of claim 1, wherein the one or more category terms associated with the first video-on-demand program content correspond to one or more topics that pertain to video-on-demand program content from more than one content provider.

7. (Original) The Internet-connected digital device of claim 1, wherein the one or more category terms associated with the first video-on-demand program content correspond to one or more content providers and wherein the hierarchically arranged electronic program guide is organized according to the content provider.

8. (Original) The Internet-connected digital device of claim 1, wherein the Internet-connected digital device is a set top box.

9. (Original) The Internet-connected digital device of claim 1, wherein the Internet-connected digital device uses the Internet Protocol.

10. (Original) The Internet-connected digital device of claim 1, wherein the Internet-connected digital device is configured to be used with an Internet Protocol TV (IPTV) system.

11. (Original) The Internet-connected digital device of claim 1, wherein the Internet-connected digital device is a digital phone.

12. (Original) The Internet-connected digital device of claim 1, wherein the Internet-connected digital device is a personal digital assistant (PDA).

13. (Original) The Internet-connected digital device of claim 1, wherein the Internet-connected digital device is a media player.

14. (Original) The Internet-connected digital device of claim 1, wherein the Internet-connected digital device is a game console.

15. (Original) The Internet-connected digital device of claim 1, wherein the Internet-connected digital device is further configured to receive a selection from the subscriber to bookmark a selected title and to store an electronic guide location address for the video-on-demand program associated with the selected title as an electronic bookmark for later viewing.

16. (Original) The Internet-connected digital device of claim 15, wherein the Internet-connected digital device is further configured to send the electronic bookmark from the Internet-connected digital device to a second Internet-connected digital device.

17. (Original) The Internet-connected digital device of claim 15, wherein the Internet-connected digital device is further configured to transmit an email including the stored electronic bookmark to an email address of a user on the Internet.

REMARKS

Claims 1-17 are currently pending. By this amendment, claim 4 is amended for antecedent basis / consistency and the remaining claims are unchanged. Claim 1 is an independent claim.

In view of the amendments and remarks, prompt and favorable reconsideration of this Application is respectfully requested. **If, however, the Examiner believes that there are any unresolved issues, or believes that the Application is not in condition for Allowance, Applicant respectfully requests that the Examiner contact the undersigned to schedule a telephonic Examiner Interview before any further Actions on the merits.**

1. Summary of Examiner Interview

Applicant would like to thank Examiner Alam for the courtesies extended to Applicant's representatives Charles R. Macedo and Tzvi Hirshaut during a telephonic interview conducted on November 14, 2017 and January 9, 2018 follow up telephone interview with Mr. Macedo.

During the November 14, 2017 interview, Applicant's representatives explained that the rejections under 35 U.S.C. sec. 103 are inappropriate as the combination of references do not teach or suggest navigation in a hierarchical VOD EPG where category metadata that is used in an EPG is provided by a video content provider along with the video content. Applicant's representatives referred to a PTAB decision (see attached and discussion below) that confirms that Novak does not supply this teaching. Applicants' representatives also noted that the other cited references also do not supply this missing teaching. The Examiner indicated that the remarks overcame the cited prior art. In the further telephone conference with Mr. Macedo on January 9, 2018, the Examiner requested that Applicant file a formal response to the current Office Action confirming this discussion.

2. The Claims Define Patentable Subject Matter

The Office Action has rejected the pending claims on various bases. Claims 1-6, and 8-14 are rejected under 35 U.S.C. § 103(a) as obvious over a combination of U.S. Patent Application Publication No. 2002/0104099 (Novak) and U.S. Patent Application Publication No. 2002/0042921 (Ellis) in view of U.S. Patent Application Publication No. 2003/0126605 (Betz). Claim 7 is rejected under 35 U.S.C. § 103(a) as obvious over the combination of Novak, Ellis, Betz, and U.S. Patent No. 6,910,191 (Segeberg). Claims 11 and 12 are rejected as under 35 U.S.C. § 103(a) as obvious over the combination of Novak, Ellis, Betz, and U.S. Patent Application Publication No. 2004/0158855 (Gu). Claim 15 is rejected under 35 U.S.C. § 103(a) as obvious over the combination of Novak, Ellis, Betz, and U.S. Patent Application Publication No. 2002/0007485 (Rodriguez). Claims 16 and 17 are rejected under 35 U.S.C. § 103(a) as obvious over the combination of Novak, Ellis, Rodriguez, Betz, and U.S. Patent Application Publication No. 2007/0277201 (Wong).

Applicant respectfully submits that the claims are allowable over the prior art of record, and requests that the pending rejection be withdrawn and the application be allowed. **To the extent the Examiner disagrees, Applicant requests that the Examiner contact Applicant's representative for a telephone interview before issuing the next office action.**

The present invention is directed to an Internet-connected digital device for providing video content to a subscriber via a closed, video-on-demand system. A hierarchically arranged electronic program guide is presented to the subscriber on the Internet-connected digital device as a multi-layered, templated display that is navigable in a drill-down manner through titles by category information. The video content to be viewed on the Internet-connected digital device was uploaded to a Web-based content management system by a content provider device

associated with the video content provider via the Internet in a digital video format, along with associated metadata including title information, category information, and an associated plurality of images designated by the video content provider. At least one of the uploaded associated plurality of images designated by the video content provider is displayed with the associated respective title in the templated display.

The Internet-connected digital device of claim 1 is neither taught nor suggested by Novak, Ellis, or Getz, either alone or in combination, at least because the combination of references do not teach or suggest navigation in a hierarchical VOD EPG where category metadata that is used in an EPG is provided by a video content provider along with the video content. In particular, the Examiner relied upon Novak as purportedly teaching this feature in the pending claims. As noted during the interview, the PTAB explicitly stated in a Decision Denying Institution of Covered Business Method Patent Review entered April 1, 2015, Case CBM2014-00189 (copy attached with highlighted sections at pp. 20 and 22) for a related patent U.S. Patent No. 7,631,336 that Novak is lacking this teaching. The PTAB stated, in pertinent part, at page 20 of the Decision as follows:

Petitioner argues that “hierarchically-arranged categories and subcategories as metadata for categorizing a hierarchical ordering [for] the title for the video content” should be construed as “topics and subtopics associated with a particular video title that are useful to categorize and order the title.” Pet. 20 (citing Ex. 1001, 3:28–34, 18:3–20). Petitioner suggests that “genre” could be a “topic,” and “director or actor” could be a “subtopic,” but Petitioner does not describe how these purported topics and subtopics would be useful to order or identify the title. *Id.*; see also Ex. 1001, 15:37–41 (describing the “hierarchical addressing scheme” as “a string of category term, subcategory term(s), and title that together . . . uniquely identify[] each program”). At most, Petitioner has explained how Novak teaches the inclusion of terms (e.g., media object description, actors, director, story summary) that may be used to describe uploaded video content, but not how these terms are arranged hierarchically into topics and subtopics to categorize and order the title.

The PTAB added at p. 22 of the Decision that:

Again, we are not persuaded by Petitioner’s contentions that Novak alone teaches or suggests listing the title of the video content in an electronic program guide using the same hierarchically-arranged categories and subcategories as used in the uploaded metadata for the hierarchical address. At most, Petitioner has explained how Novak teaches the inclusion of the title of the uploaded content in an electronic program guide (as well as time slot, length, and a description, for example), but not how *any* hierarchically-arranged categories and subcategories are used in listing the title of the video content in the electronic program guide, let alone the *same* hierarchically-arranged categories and subcategories as were used in the uploaded metadata (i.e., data to describe a hierarchical ordering that is useful to categorize and order the title of video content).

Ellis also does not teach a hierarchically arranged EPG with content provider defined categories to be used for navigation. The Office Action at pp. 4-6 cites Ellis as teaching a hierarchically arranged EPG that has a drill down menu. However, Ellis does not teach or suggest that the categories for the EPG are “provided” by the video content provider, in contrast

to the EPG provider. *Cf.* Ellis par. 0005. Betz also does not supply the missing teachings.

Therefore, Applicant respectfully submits that the combination of Novak, Ellis, and Betz is insufficient to serve as a basis for rejection of claim 1.

For at least these reasons, Applicant submits that amended claim 1 and claims dependent thereon are allowable. Withdrawal of the rejections of the claims and allowance of the application is respectfully requested.

Status of Related Applications

The below chart provides information regarding related issued patents and co-pending applications filed by the present applicant:

APPLICATION SERIAL NO.	ATTORNEY DOCKET NO.	FILING DATE	STATUS
10/909,192	P1 07612/4	2004-07-30	Issued as U.S. Patent No. 7,590,997
11/952,552	P1-D1 07612/5	2007-12-07	Issued as U.S. Patent No. 7,774,819
12/852,663	P1-D2 07612/6	2010-08-09	Issued as U.S. Patent No. 9,078,016
13/830,872	P1-D3 07612/27	2013-03-14	Issued as U.S. Patent No. 9,066,118
14/598,633	P1-D4 07612/35	2015-01-16	Issued as U.S. Patent No. 9,106,959
14/703,597	P1-D5 07612/36	2015-01-05	Issued as U.S. Patent No. 9,232,275
14/706,721	P1-D6 07612/37	2015-05-07	Issued as U.S. Patent No. 9,338,511
14/978,881	P1-D7 07612/45	2015-12-22	Issued as U.S. Patent No. 9,386,340
14/978,953	P1-D8 07612/46	2015-12-22	Issued as U.S. Patent No. 9,491,511
14/987,237	P1-D9 07612/48	2016-01-04	Issued as U.S. Patent No. 9,491,512
14/987,283	P1-D10 07612/49	2016-01-04	Issued as U.S. Patent No. 9,338,512
15/148,807	P1-D11 07612/56	2016-05-06	Issued as U.S. Patent No. 9,578,376
15/190,954	P1-D12 07612/57	2016-06-23	Issued as U.S. Patent No. 9,641,896

APPLICATION SERIAL NO.	ATTORNEY DOCKET NO.	FILING DATE	STATUS
15/253,321	P1-D13 07612/62	2016-08-31	Issued as U.S. Patent No. 9,648,388
15/253,288	P1-D14 07612/61	2016-08-31	Issued as U.S. Patent No. 9,635,423
15/399,116	P1-D15 07612/64	2017-01-05	Notice of Allowance 2017-10-23
15/492,870	P1-D16 07612/71	2017-04-20	Issue Fee Paid 2017-12-22
15/582,155	P1-D17 07612/73	2017-04-28	Issued as U.S. Patent No. 9,866,909
15/589,196	P1-D18 07612/74	2017-05-08	Issued as U.S. Patent No. 9,866,910
15/664,655	P1-D19 07612/77	2017-07-31	Pending
15/864,502	P1-D21 07612/83	2018-01-08	Pending
15/864,561	P1-D22 07612/84	2018-01-08	Pending
11/685,188	CIP1 07612/7	2007-03-12	Issued as U.S. Patent No. 7,631,336
12/632,745	CIP1-D1 07612/8	2009-12-07	Issued as U.S. Patent No. 9,113,228
12/869,466	CIP1-D2 07612/9	2010-08-26	Pending - Reply Brief filed 2017-02-16
13/830,961	CIP1-D3 07612/28	2013-03-14	Abandoned
14/724,125	CIP1-D4 07612/38	2015-05-28	Issued as U.S. Patent No. 9,338,487
14/827,090	CIP1-D5 07612/39	2015-08-14	Issued as U.S. Patent No. 9,420,318
14/827,113	CIP1-D6 07612/40	2015-08-14	Issued as U.S. Patent No. 9,491,497
14/827,129	CIP1-D7 07612/41	2015-08-14	Pending - Office Action 2017-11-09
15/148,796	CIP1-D8 07612/55	2016-05-06	Issued as U.S. Patent No. 9,635,395
15/192,598	CIP1-D9 07612/58	2016-06-24	Pending - Office Action 2017-10-30
15/251,865	CIP1-D10 07612/59	2016-08-30	Pending - Office Action 2017-10-30
15/493,409	CIP1-D11 07612/72	2017-04-21	Pending
11/768,895	CIP2 07612/10	2007-06-26	Issued as U.S. Patent No. 9,584,868
12/869,493	CIP2-D1 07612/11	2010-08-26	Abandoned
12/869,534	CIP2-D2	2010-08-26	Issued as U.S. Patent No. 9,344,765

APPLICATION SERIAL NO.	ATTORNEY DOCKET NO.	FILING DATE	STATUS
	07612/25		
13/831,042	CIP2-D3 07612/29	2013-03-14	Issued as U.S. Patent No. 9,247,308
15/001,992	CIP2-D4 07612/47	2016-01-20	Issued as U.S. Patent No. 9,635,429
15/002,011	CIP2-D5 07612/51	2016-01-20	Issued as U.S. Patent No. 9,641,902
15/002,029	CIP2-D6 07612/52	2016-01-20	Issued as U.S. Patent No. 9,654,833
15/002,040	CIP2-D7 07612/53	2016-01-20	Issued as U.S. Patent No. 9,648,390
15/595,200	CIP2-D8 07612/66	2017-05-15	Issue Fee Paid 2017-12-27
15/582,099	CIP2-D9 07612/67	2017-04-28	Pending - Notice of Allowance 2017-10-13
15/595,210	CIP2-D10 07612/68	2017-05-15	Issue Fee Paid 2018-01-03
15/589,225	CIP2-D11 07612/69	2017-05-08	Issue Fee Paid 2017-12-22
15/441,956	CIP2-D12 07612/70	2017-02-24	Pending - Notice of Allowance 2018-01-08
15/604,272	CIP2-D13 07612/75	2017-05-24	Pending - Office Action 2017-10-27

The Examiner is invited to review the prosecution history of this application to see the prior art of record and related office actions as he deems appropriate.

Applicant further notes the following litigations have been filed with respect to related patents and have been concluded:

Case	Filing Date	Status
<i>Broadband iTV, Inc. v. Hawaiian Telcom, Inc., et al.</i> , No. 14-cv-00169 (D. Haw. 2014)	2014-04-09	Summary Judgment entered in favor of Hawaiian Telcom, Inc. based on 35 U.S.C. 101 Notice of Appeal filed by Broadband iTV, Inc. with Federal Circuit Court of Appeals Consolidated Opening Brief filed by Broadband iTV, Inc. with Federal Circuit

		<p>Court of Appeals. 2 Amicus Briefs also filed with the Federal Circuit Court of Appeals. January 21, 2016</p> <p>Hawaiian Telcom, Inc.'s Response Brief filed March 14, 2016</p> <p>Broadband iTV's Reply Brief filed April 1, 2016</p> <p>Oral Argument Sept 8, 2016</p> <p>Federal Circuit affirmance, without opinion, of Summary Judgment in favor of Hawaiian Telcom, Inc. Sept 26, 2016</p> <p>Petition to U.S. Supreme Court for Writ of Certiorari April 13, 2017</p> <p>Petition Denied May 22, 2017 (litigation terminated)</p>
<p><i>Broadband iTV, Inc. v. Time Warner Cable, Inc., et al.</i>, No. 15-cv-00131 (D. Haw. 2014)</p>	<p>2014-04-09</p>	<p>Summary Judgment denied to TWC based on prior art cited by Time Warner Cable, Inc. (TWC); Summary Judgment Entered in favor of TWC based on 35 U.S.C. 101</p> <p>Notice of Appeal filed by Broadband iTV, Inc. with Federal Circuit Court of Appeals</p> <p>No cross-appeal filed by TWC as to Denial of Summary Judgment on Prior Art grounds</p> <p>Consolidated Opening Brief filed by Broadband iTV, Inc. with Federal Circuit Court of Appeals. 2 Amicus Briefs also filed with the Federal Circuit Court of Appeals. January 21, 2016</p> <p>TWC's Response Brief filed March 14, 2016</p> <p>Broadband iTV's Reply Brief filed April 1, 2016</p>

		<p>Oral Argument Sept 8, 2016</p> <p>Federal Circuit affirmance, without opinion, of Summary Judgment denial to TWC based on prior art cited by TWC and of Summary Judgment Entered in favor of TWC Sept 26, 2016</p> <p>Petition to U.S. Supreme Court for Writ of Certiorari April 13, 2017</p> <p>Petition Denied May 22, 2017 (litigation terminated)</p>
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Applicant further notes that the following *inter partes* reviews (IPR) and covered business method (CBM) reviews have been filed with respect to related patents:

IPR Case		Filing Date	Patent No.	Status
IPR2014-01222	Unified Patents, Inc. v. Broadband iTV, Inc. (BBiTV)	2014-07-30	7,631,336	BBiTV - Institution of IPR Denied by PTAB 2015-01-05 (terminated)
CBM2014-00189	Hawaiian Telcom Inc. v. Broadband iTV, Inc. (BBiTV)	2014-09-19	7,631,336	BBiTV - Institution of CBM Denied by PTAB 2015-04-01 (terminated)

* * * * *

Any claim amendment(s), claim(s) added, claim(s) canceled, argument(s), remark(s), and/or any combination(s) thereof made in this response pertain solely to the specific aspects of this specific claimed invention. Further, any claim amendment(s), claim(s) added, claim(s)

canceled, argument(s), remark(s), and/or any combination(s) thereof are made without prejudice to or disclaimer of Applicant's right to seek patent protection of any unclaimed subject matter such as, but not limited, to narrower unclaimed subject matter, broader unclaimed subject matter, different unclaimed subject matter, variations of unclaimed subject matter, any combination thereof, and/or any other unclaimed subject matter that may or may not be filed, for example, in any design and/or utility patent application(s) such as, but not limited to, continuation patent application(s), continuation-in-part patent application(s), and/or divisional patent application(s) and/or any other patent application(s).

Applicant's silence as to any assertion(s) by the Examiner in the Office Action and/or to any certain fact(s) or conclusion(s) that may be implied and/or alleged by objections(s) and/or rejection(s) in the Office Action is not in any way a concession by Applicant that such assertion(s), implication(s), and/or allegation(s) are accurate, and that all requirements for any objection(s) and/or a rejection(s) have been met. Accordingly, Applicant reserves the right to analyze and dispute any such assertion(s), implication(s), and/or allegation(s) in the future.

In view of the amendments and remarks, prompt and favorable reconsideration of this Application is respectfully requested. If, however, the Examiner believes that there are any unresolved issues, or believes that the Application is not in condition for Allowance, Applicant respectfully requests that the Examiner contact the undersigned to schedule a telephonic Examiner Interview before any further Actions on the merits.

The director is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number 01-1785.

Respectfully submitted,

AMSTER, ROTHSTEIN & EBENSTEIN LLP
Attorneys for Applicant
90 Park Avenue
New York, NY 10016
(212) 336-8000

Dated: New York, New York
January 12, 2018

By: /Charles R. Macedo/
Charles R. Macedo
Registration No.: 32,781

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

HAWAIIAN TELCOM, INC.,
Petitioner,

v.

BROADBAND iTV, INC.,
Patent Owner.

Case CBM2014-00189
Patent 7,631,336 B2

Before JUSTIN T. ARBES, MICHELLE R. OSINSKI, and
TINA E. HULSE, *Administrative Patent Judges*.

OSINSKI, *Administrative Patent Judge*.

DECISION
Denying Institution of Covered Business Method Patent Review
37 C.F.R. § 42.208

I. INTRODUCTION

A. Background

Hawaiian Telecom, Inc. (“Petitioner”) filed a corrected Petition (Paper 5, “Pet.”) requesting a covered business method patent review of claims 1–4 and 7–11 of U.S. Patent No. 7,631,336 B2 (Ex. 1001, “the ’336 patent”). Broadband iTV, Inc. (“Patent Owner”) filed a Preliminary Response (Paper 9, “Prelim. Resp.”). We have jurisdiction under 35 U.S.C. § 324, which provides that a covered business method patent review may not be instituted unless the information in the petition, if unrebutted, “would demonstrate that it is more likely than not that at least 1 of the claims challenged in the petition is unpatentable.” 35 U.S.C. § 324(a).

Upon consideration of the Petition and Preliminary Response, we determine that the information presented in the Petition does not demonstrate that any of the challenged claims is more likely than not unpatentable. We, therefore, deny the Petition.

B. The ’336 Patent (Ex. 1001)

The ’336 patent relates to a method for enabling the converting, navigating, and displaying of video content from a video content provider on an open online network to a discrete digital TV service provider network. Ex. 1001, 21:15–18 (claim 1). One example of such a method outlined in the ’336 patent broadly relates to “uploading wide ranging content via [the] Internet for viewing on the VOD [video-on-demand] platforms of any type of digital TV system.” *Id.* at 14:36–38. Figure 4 of the ’336 patent is reproduced below.

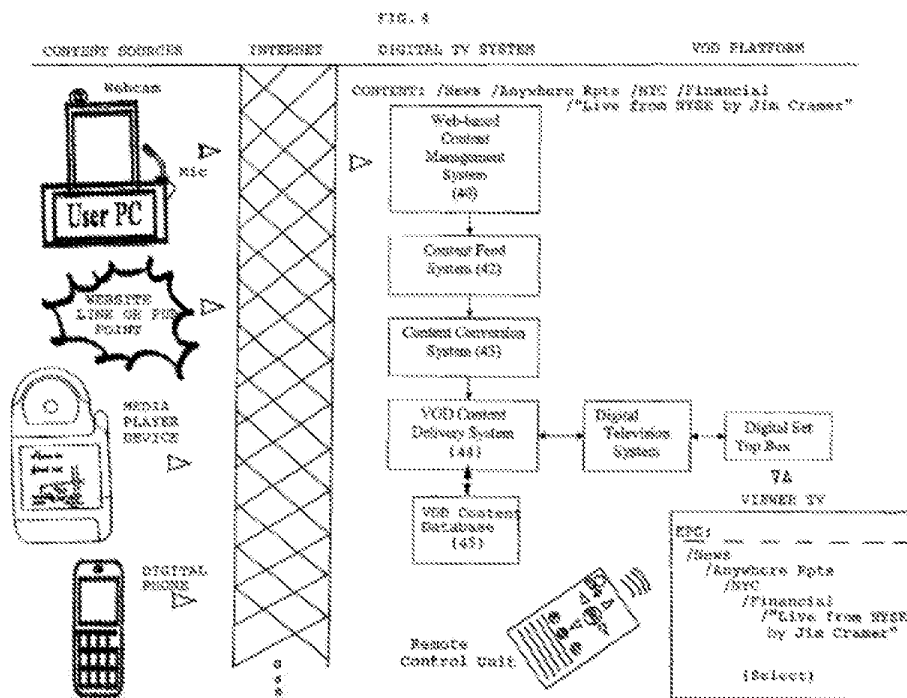


Figure 4 depicts “a diagram illustrating a process flow for enabling content publishers on the Internet to upload video content to digital television service providers for viewing on the home TV.” *Id.* at 4:24–27. Referring to Figure 4, an author or publisher can upload content from his or her computer, for example, to Web-based Content Management System 40. *Id.* at 14:45–46. “[H]ierarchical addressing metadata is associated with or tagged to the content when uploaded to the Web-based Content Management System 40.” *Id.* at 16:55–57. “[T]he author or publisher selects the category term, subcategory term(s) and title by which it is desired to find the program title in the TV EPG [electronic program guide] display hierarchy.” *Id.* at 16:46–50. In this way, “the addressing metadata identifying content uploaded on the Internet” is the same as the “EPG hierarchical addressing scheme used for the VOD program guide.” *Id.* at 16:42–46.

Content Feed System 42 transfers the uploaded content to Content Conversion System 43. *Id.* at 14:45–47. Content Conversion System 43 converts the uploaded content “from standard digital data formats to TV video format.” *Id.* at 14:45–49. The converted content is then sent to VOD Content Delivery System 44 where a “local instance” of the converted content is stored at an assigned VID [video ID] address in Video Content Database 45 for retrieval upon viewer request. *Id.* at 14:49–51, 17:3–6. “The VID address is linked to the metadata title for the video content listed in the EPG.” *Id.* at 17:6–8.

“Uploaded [content is] offered to viewers by listing them on the EPG, and upon viewer selection via the Set Top Box, are delivered via the Digital TV System infrastructure.” *Id.* at 14:51–54. The content is “automatically listed in the EPG under the common addressing scheme to enable viewers to find any program of interest.” *Id.* at 16:60–62. “Upon the subscriber selecting . . . the title of the video content from the hierarchically-arranged categories and subcategories in the EPG, a return request for the selected title is transmitted to the VOD platform for retrieving the video content at the linked VID address in the Video Content Database.” *Id.* at 17:12–18.

C. Illustrative Claim

Claim 1 is illustrative of the claimed subject matter and is reproduced below.

1. A method for automatically enabling the converting, navigating and displaying of video content from a video content provider on an open online network to a discrete digital TV service provider network which is of the type employing a closed system of pre-screened and pre-programmed video content selectable for viewing by TV service subscribers

inputting keypresses on their TV remote control units to set-top boxes connected to their TV equipment, which predetermined video content is listed by title for selection from an electronic program guide for a video-on-demand (VOD) platform of a the discrete digital TV service provider comprising:

(a) enabling the uploading of video content in a digital video format via an online network to a Web-based content management server that is connected to the VOD platform of the discrete digital TV service provider network, along with a title and a hierarchical address of hierarchically-arranged categories and subcategories as metadata for categorizing a hierarchical ordering for the title for the video content;

(b) converting the content uploaded to the Web-based content management server into a standard TV digital format used by the discrete digital TV service provider network and storing a "local instance" thereof at a video ID (VID) address in a video content database of the VOD platform, wherein the VID address is linked to the title for the video content;

(c) listing the title of the video content in an electronic program guide for the VOD platform of the discrete digital TV service provider using the same hierarchically-arranged categories and subcategories as used in the uploaded metadata for the hierarchical address for the video content in the electronic program guide of the VOD platform;

(d) providing a TV service subscriber, having a TV-equipment-connected set-top box connected to the VOD platform of the discrete digital TV service provider network, with access to the electronic program guide for the VOD platform for navigating through the hierarchically-arranged titles of video content by categories and subcategories therein in order to find the title of the video content desired for viewing on their TV equipment; and

(e) upon the TV service subscriber selecting, via their TV remote control unit in communication with the set-top box, the title for the video content from the hierarchically-arranged categories and subcategories of the electronic program guide, and the set-top box transmitting a request for the selected title to the VOD platform, then enabling retrieval of the selected

video content stored at the VID address in the video content database of the VOD platform linked thereto, and transmission of the selected video content to the TV service subscriber's set-top box for display on the TV service subscriber's TV equipment.

D. The Asserted Grounds of Unpatentability

Petitioner challenges the patentability of claims 1–4 and 7–11 of the '336 patent on the following grounds (Pet. 21–79).

References	Basis	Challenged Claims
Novak, ¹ Dukiewicz, ² and Logan ³	§ 103(a)	1–4 and 7–11
Novak, Wilson, ⁴ and Logan	§ 103(a)	1–4 and 7–11
N/A	§ 101	1

II. DISCUSSION

A. Standing

Section 18 of the Leahy-Smith America Invents Act (“AIA”) governs the transitional program for covered business method patent reviews.⁵ Section 18(a)(1)(B) of the AIA limits such reviews to persons, or their privies, who have been sued or charged with infringement of a “covered

¹ Novak, U.S. Patent Application Publication No. 2002/0104099 A1 (published Aug. 1, 2002) (Ex. 1007).

² Dukiewicz et al., U.S. Patent Application Publication No. 2002/0088009 A1 (published July 4, 2002) (Ex. 1008).

³ Logan et al., U.S. Patent No. 5,721,827 (issued Feb. 24, 1998) (Ex. 1009).

⁴ Wilson, International Patent Application Publication No. WO 03/069457 A1 (published Aug. 21, 2003) (Ex. 1010).

⁵ See Section 18(a) of the Leahy-Smith America Invents Act, Pub. L. No. 112-29, 125 Stat. 284, 329 (2011).

business method patent.” AIA §§ 18(a)(1)(B), 18(d)(1); *see* 37 C.F.R. § 42.302(a).

1. Eligibility Requirements of § 42.302

Petitioner asserts that Patent Owner has sued Petitioner for infringement of the '336 patent. Pet. 14–15; *see also id.* at 3 (identifying *Broadband iTV, Inc. v. Hawaiian Telcom, Inc.*, No. 14-cv-00169-ACK-RLP (D. Haw.) as a related matter). Petitioner also asserts that it is not estopped from challenging the claims of the '336 patent on the grounds set forth in its Petition. *Id.* at 15. Patent Owner does not dispute that Petitioner has been sued for infringement of the '336 patent or challenge eligibility under § 42.302. *See* Paper 7 (Patent Owner’s Mandatory Notices), 2–3. On this record, Petitioner meets the eligibility requirements of § 42.302.

2. Covered Business Method Patent

Under § 18(a)(1)(E) of the AIA, the Board may institute a transitional proceeding only for a patent that is a covered business method patent. A “covered business method patent” is a patent that “claims a method or corresponding apparatus for performing data processing or other operations used in the practice, administration, or management of a financial product or service, except that the term does not include patents for technological inventions.” AIA § 18(d)(1); *see* 37 C.F.R. § 42.301(a). The “legislative history explains that the definition of covered business method patent was drafted to encompass patents ‘claiming activities that are financial in nature, incidental to a financial activity or complementary to a financial activity.’” *See* Transitional Program for Covered Business Method Patents—Definitions of Covered Business Method Patent and Technological Invention; Final Rule, 77 Fed. Reg. 48,734, 48,735 (Aug. 14, 2012) (quoting

157 Cong. Rec. S5432 (daily ed. Sept. 8, 2011) (statement of Sen. Schumer)). A patent need have only one claim directed to a covered business method to be eligible for review. *See id.* at 48,736 (Comment 8).

a. Financial Product or Service

For purposes of determining whether a patent is eligible for a covered business method patent review, our focus is on the claims. *See* 77 Fed. Reg. at 48,736. Petitioner argues that the '336 patent meets the “financial product or service” prong of the AIA. *See* Pet. 4–9. Patent Owner does not challenge this aspect, and only argues that the patent is for a “technological invention.” *See* Prelim. Resp. 11–18.

Claim 1 of the '336 patent recites “providing a *TV service subscriber*, having a TV-equipment-connected set-top box connected to the VOD platform of the discrete digital TV service provider network, with access to the electronic program guide” and “upon the *TV service subscriber* selecting, via their TV remote control unit in communication with the set-top box, the title for the video content . . . [, enabling the] transmission of the selected video content to the *TV service subscriber's* set-top box for display on the *TV service subscriber's* TV equipment.” Ex. 1001, 21:49–53, 22:4–7 (emphases added). As acknowledged within the patent, a TV service subscriber subscribes “to any of several tiers of bundled TV services on a scale with increasing rates in accordance with signal quality, TV program offerings, and types of interactive services.” *Id.* at 1:45–48.

Claim 1 of the '336 patent is directed to a method of providing additional content to TV service subscribers, and, therefore, claims an activity that is incidental or complementary to television subscription services. Pet. 6. In the particular context of the '336 patent, and claim 1 in

particular, we conclude that the claimed television subscription services are a financial activity in that fees are generated based on use of the system provided under the subscription. *Id.* at 5; *see also SAP America, Inc. v. Versata Development Group, Inc.*, Case CBM2012-00001, slip op. at 23 (PTAB Jan. 9, 2013) (Paper 36) (concluding “[t]he term financial is an adjective that simply means relating to monetary matters” based on section 18 of the AIA and its legislative history).

Accordingly, we determine that claim 1 recites a method for performing data processing or other operations used in the practice, administration, or management of a financial product or service, as required by § 18(d)(1) of the AIA. *See* 37 C.F.R. §42.301(a).

b. Exclusion for Technological Inventions

The definition of a “covered business method patent” in Section 18 of the AIA expressly excludes patents for “technological inventions.” AIA § 18(d)(1); *see* 37 C.F.R. § 42.301(a). To determine whether a patent is for a technological invention, we consider “whether the claimed subject matter as a whole recites a technological feature that is novel and unobvious over the prior art; and solves a technical problem using a technical solution.” 37 C.F.R. § 42.301(b).

According to the Office Patent Trial Practice Guide, the following claim drafting techniques are examples that typically do not render a patent a “technological invention”:

- (a) Mere recitation of known technologies, such as computer hardware, communication or computer networks, software, memory, computer-readable storage medium, scanners, display devices or databases, or specialized machines, such as an ATM or point of sale device.

(b) Reciting the use of known prior art technology to accomplish a process or method, even if that process or method is novel and non-obvious.

(c) Combining prior art structures to achieve the normal, expected, or predictable result of that combination.

Office Patent Trial Practice Guide, 77 Fed. Reg. at 48,763–64.

Petitioner argues that claim 1 does not recite a technological feature that is novel and unobvious over the prior art because “it merely recites a combination of known technology to accomplish its claimed method.” Pet. 11. Petitioner points to the technology that would be used in the method of claim 1, such as “computer networks, display formats, and VOD systems,” as well as “metadata,” “technology that enabled uploading of metadata and content simultaneously,” “electronic program guides or hierarchical categories,” and/or “the Internet and video compression software,” as each comprising known technology. *Id.* at 11–12.

In its Preliminary Response, Patent Owner argues that Petitioner has failed to meet its burden by failing to consider the claim “as a whole.” Prelim. Resp. 11–12 (citing *Motorola Mobility, LLC v. Intellectual Ventures I, LLC*, CBM2014-00084, slip op. at 7 (PTAB Aug. 6, 2014) (Paper 18), and *Experian Mktg. Solutions, Inc. v. RPost Commc’ns. Ltd.*, CBM2014-00010, slip op. at 9 (PTAB Apr. 22, 2014) (Paper 20)). Patent Owner focuses on Petitioner’s purported failure to meet its burden, but does not identify any specific element(s) in the claims that were not well-known technology. *See, e.g., id.* at 14 (“Petitioner’s isolation of generic hardware elements, without any citation to any claim, is contrary to the Board’s previous decisions and is insufficient to meet its burden . . .”). We are persuaded by Petitioner’s identification of the technology necessary to accomplish the claimed steps

and Petitioner's explanation that such technology was well-known. *See* Pet. 11–12.

As to Patent Owner's contention that “[i]t does not necessarily follow from Petitioner's statement that the use of specific *steps* in the claims of the '336 patent are not novel or unobvious when viewed as a whole” (Prelim. Resp. 13 (emphasis added)), we reiterate that even if the steps of a process or method are novel and non-obvious, merely reciting the use of known prior art technology to accomplish the steps of a process or method falls squarely within an exemplary claim drafting technique that has been described as insufficient to qualify as a “technological invention.” Office Patent Trial Practice Guide, 77 Fed. Reg. at 48,763–64. We also distinguish the instant proceeding from the prior Board decisions cited by Patent Owner in that the prior Board decisions were focused on Petitioner's failure to consider whether specific technology elements set forth in the claims (e.g., software elements or server configurations) were known in the prior art. We are persuaded that claim 1, as a whole, does not recite a technological feature that is novel and unobvious over the prior art.

We also have considered whether the method of claim 1, as a whole,⁶ solves a technical problem using a technical solution as contended by Patent Owner. Prelim. Resp. 14–18. We do not agree, however, that the problem in the prior art described and addressed by the '336 patent is “the migration

⁶ “The reference ‘and solves a technical problem using a technical solution’ is with respect to ‘the claimed subject matter as a whole.’” Transitional Program for Covered Business Method Patents—Definitions of Covered Business Method Patent and Technological Invention; Final Rule, 77 Fed. Reg. at 48,736.

of video content using an open online network into a discrete, closed digital television system” as suggested by Patent Owner. *Id.* at 15. Rather, the problem in the prior art described and addressed by the '336 patent is the alleged lack of “capability for Internet uploading *and automatic listing in any VOD EPG* [to] open[] VOD programming to a greatly expanded field of non-studio TV program publishers.” Ex. 1001, 3:62–64 (emphasis added). Providing the ability for users to locate content easily in a familiar manner (through the use of an existing electronic program guide) is primarily a content organization problem, not a technical problem. The problem is addressed through “listing the title of the video content in the electronic program guide using the same categories as those specified in the [hierarchically arranged title-ordering] metadata uploaded along with the video content.” Prelim. Resp. 16. We are not persuaded that this is a technical solution to a technical problem. *See* Pet. 13–14.

The Board considers “whether a patent is for a technological invention on a case-by-case basis and will take into consideration the facts of a particular case.” Transitional Program for Covered Business Method Patents—Definitions of Covered Business Method Patent and Technological Invention; Final Rule, 77 Fed. Reg. at 48,737. A “determination of whether a patent is to a technological invention will be determined based on the claims of the patent.” *Id.* at 48,736. Based on the facts of this particular case, we determine that the '336 patent is a “covered business method patent” that is not excluded for being a “technological invention” and, therefore, is eligible for a covered business method patent review.

B. Claim Construction

In a covered business method patent review, the Board interprets claim terms in an unexpired patent using the broadest reasonable construction. 37 C.F.R. § 42.300(b); Office Patent Trial Practice Guide, 77 Fed. Reg. 48,756, 48,766 (Aug. 14, 2012); *In re Cuozzo Speed Techs., LLC*, No. 2014-1301, 2015 WL 448667, at *5–8 (Fed. Cir. Feb. 4, 2015). Claim terms generally are given their ordinary and customary meaning, as would be understood by one of ordinary skill in the art in the context of the entire disclosure. *In re Translogic Tech., Inc.*, 504 F.3d 1249, 1257 (Fed. Cir. 2007). We have reviewed Petitioner’s and Patent Owner’s statements regarding claim construction (*see* Pet. 17–20; Prelim. Resp. 26–27), but we determine that express construction of any particular term is unnecessary for purposes of this Decision.

C. Challenge to Claim 1 Based on Same-Invention Type Double Patenting

Petitioner contends that claim 1 of the ’336 patent is unpatentable for same-invention type double patenting under 35 U.S.C. § 101 in view of claim 1 of U.S. Patent No. 7,590,997 (“the ’997 patent,” Ex. 1003).⁷ Pet. 66–79. Petitioner asserts that “[t]he AIA permits challenges under 35 U.S.C. § 101 in CBM proceedings.” *Id.* at 66 (citing *Apple Inc. v. SightSound Technologies, LLC*, Case CBM2013-00021, slip op. at 24 (PTAB Oct. 8, 2013) (Paper 13) (holding that judicially-created obviousness-type double

⁷ The ’336 patent is a continuation-in-part of the ’997 patent. Pet. 16, 66; Ex. 1001. The ’336 patent and the ’997 patent are commonly owned by Patent Owner and both list the same sole inventor. Pet. 67.

patenting is not a permissible ground for challenging claims in a covered business method patent review)). As set forth in the *SightSound* case, any ground that could be raised under 35 U.S.C. § 282(b)(2) or (3) can be raised in a covered business method patent review. See AIA § 18(a)(1); 35 U.S.C. § 321(b). The grounds under 35 U.S.C. § 282(b)(2) are: “Invalidity of the patent or any claim in suit on any ground specified in part II as a condition for patentability.” Title 35, Part II includes 35 U.S.C. § 101. “[S]ame invention,” or “statutory,” double patenting prevents a person from obtaining more than one patent on identical subject matter. *In re Longi*, 759 F.2d 887, 892 (Fed. Cir. 1985). This type of double patenting “finds its support in the language of 35 U.S.C. § 101,” which states that “[w]hoever invents or discovers any new and useful process . . . may obtain a patent therefor.” *Id.* (emphasis added). For purposes of this Decision, we determine that same-invention type double patenting under 35 U.S.C. § 101 is a permissible ground for challenging claims in a covered business method patent review.

Petitioner states that the test for same-invention type double patenting “is whether one of the claims could be literally infringed without literally infringing the other. If it could be, the claims do not define identically the same invention.” Pet. 67 (citing *Application of Vogel*, 422 F.2d 438, 441 (CCPA 1970)). Petitioner asserts that “[a] person of ordinary skill in the art would understand that ’336 claim 1 could not be literally infringed without literally infringing ’997 claim 1.” *Id.* at 72 (citing the Declaration of Stephen D. Bristow, Ex. 1011 ¶ 109); see also *id.* at 72–75 (setting forth a side-by-side comparison of claim 1 of the ’336 and ’997 patents).

Patent Owner argues Petitioner fails to apply properly the test for same-invention type double patenting for at least two reasons. Prelim. Resp.

29–30. First, Patent Owner points out that claim 1 of the '997 patent refers to the uploading, receipt, and storage of “a plurality of video content segments,” such that “[t]o literally infringe claim 1 of the '997 Patent, a user must be enabled to upload a *plurality* (i.e., more than one) of video content segments over the open online network.” *Id.* at 30 (citing Ex. 1003, 14:53–59). Patent Owner argues that claim 1 of the '336 patent merely requires a user to “be enabled to upload ‘video content,’ which could be in the form of a *single* video content segment.” *Id.* at 31. Patent Owner argues that claim 1 of the '336 patent could, thus, be literally infringed by enabling the upload of a single video content segment, whereas claim 1 of the '997 patent could not be literally infringed by enabling the upload of a single video content segment. *Id.*

Second, Patent Owner points out that claim 1 of the '997 patent refers to “links among video content segments that are ordered with respect to one another in a particular hierarchy,” whereas “[t]his feature of ‘linking’ is entirely absent from claim 1 of the '336 Patent.” *Id.* at 31–32 (citing Ex. 1003, 15:1–7). Patent Owner argues that because “claim 1 of the '336 Patent can be infringed by a system with unlinked video content segments[,] but claim 1 of the '997 Patent cannot, the proposed ground of rejection based on double patenting again fails.” *Id.* at 33.

We agree with Patent Owner on both points, and therefore, we are not persuaded that Petitioner has demonstrated that it is more likely than not that claim 1 of the '336 patent is unpatentable for same-invention type double patenting over claim 1 of the '997 patent.

*D. Obviousness of Claims 1--4 and 7--11 over Novak (Ex. 1007),
Dukiewicz (Ex. 1008), and Logan (Ex. 1009)*

1. Overview of Novak

Novak discloses a system and method for an individual to upload media objects⁸ to a server⁹ in which the media objects can be ultimately provided to an end user via a “synthetic channel” on a television of a cable subscriber. Ex. 1007, Abstr., ¶¶ 10, 28. A user interface may allow the individual uploading the media objects to indicate date, time slot, descriptions, file types, etc., associated with the media objects. *Id.* ¶¶ 62–63. The server “makes the media objects available and accessible through the Internet via . . . web site 124 or via other techniques/connections.” *Id.* ¶ 39. The upload source can own the server that stores web site 124, or the server can be hosted by third parties. *Id.* ¶ 40.

“[T]he synthetic channel is able to provide the media programs according to the type, sequence, length, desired scheduled play time, etc. specified by the individual who uploaded the media objects to the server.” *Id.* ¶ 26. The synthetic channel “can be tuned to or selected by the end user as if tuning to a conventional television broadcast channel.” *Id.* ¶ 10. “The synthetic channel is provisioned with information to access and display at

⁸ Exemplary media objects include audio and video clips, JPEGs, recorded audiovideo tape clips, sequenced JPEGs with attached audio files, MPEGs, MP3 files, web camera video clips, flash animation, text and graphics, or other media files. Ex. 1007 ¶ 39.

⁹ “The server can comprise part of or be communicatively coupleable to an interactive video casting system, such as an interactive television system.” Ex. 1007 ¶ 25.

least one media object . . . stored in a storage location if the synthetic channel is selected by a client terminal.” *Id.*

Information relating to the media object and the synthetic channel can be provided in an electronic program guide, “instead of having to navigate through complicated URL addresses and hyperlinks on the Internet.” *Id.*

¶¶ 10, 26. The information for the synthetic channel is displayed concurrently with information for television programs of available conventional channels. *Id.* ¶¶ 71, 74. The electronic program guide or set top box of the cable subscriber can “communicat[e] with the web site 124 to receive the uploaded media objects themselves when the synthetic channel is selected by the end user.” *Id.* ¶¶ 59, 75.

2. Overview of Dukiewicz

Dukiewicz discloses “devices and processes for generating metadata for individual program segments, thus allowing program segments to be treated as individual programming events that can be individually evaluated by the user or by user equipment,” as opposed to evaluation of programs “on a whole-program basis.” Ex. 1008 ¶ 15. The production data used to produce multi-segmented programming can be processed to generate metadata and distribute that metadata to consumers in advance of the airing of the program. *Id.*

Dukiewicz further discloses “a content classification hierarchy for classifying the content of programming events and for defining viewer’s particular interests” that allows for classification “with a previously unattainable degree of specificity.” *Id.* ¶ 16. For example, rather than broadly classifying based on “[s]ports,” the hierarchical classification could specify “Buffalo Bills” within “AFC” within “NFL” within “Football”

within the broad category of “[s]ports.” *Id.* ¶ 70. When the hierarchical classification is “coupled with metadata describing individual program segments . . . it becomes possible to provide the viewer with a truly personalized viewing experience, from which all uninteresting subject matter has been eliminated through deep content specific filtering at the program segment level.” *Id.* ¶ 17.

3. *Overview of Logan*

Logan discloses “a personalized information delivery system . . . which incorporates mechanisms for selectively delivering a subset of [a large number of diverse] programs to a given subscriber based on that subscriber’s characteristics, subject matter preferences and interests, and express requests.” Ex. 1009, Abstr., 1:39–46. Logan discloses that player mechanism 103 accepts commands that control the playback mechanism, including the command “MARK” that is “used to place a ‘bookmark’ into the usage log which identifies a program segment . . . which the listener wishes to designate for future use.” *Id.* at 12:17–20; 14:42–45. Logan discloses that “[b]y bookmarking a program segment, that segment may be recalled by the subscriber and all or part of it saved for later use in local storage, from which it may be reproduced, forwarded as an attachment to an email message, and the like.” *Id.* at 14:48–52.

4. *Obviousness of Claims 1–4 and 7–11*

Petitioner argues that the combination of Novak, Dukiewicz, and Logan renders claim 1 unpatentable as obvious. Pet. 21–40. Petitioner asserts that “Novak discloses a complete digital television system including traditional television content as well as content uploaded through the Internet into the closed digital system.” *Id.* at 26 (noting Figure 1’s

disclosure of uploaded content traveling from upload source 122 through web site 124 to cable service provider 108, which delivers the content over cable network 134 to cable subscribers, as well as electronic program guide 153 as part of set top box 152) (citing Ex. 1007 ¶¶ 27, 37, 39).

a. “Enabling” Step of Claim 1

With respect to the particular claim element of “enabling the uploading of video content . . . along with a title and a hierarchical address of hierarchically-arranged categories and subcategories as metadata for categorizing a hierarchical ordering for the title for the video content” (Ex. 1001, 21:27–34), Petitioner asserts that Novak “discloses the use of metadata associated with uploaded content that can be used to create hierarchical categories for ordering video content.” Pet. 28. Petitioner points to, in particular, Novak’s disclosure that “a plurality of headings 704 [e.g., date, time slot, media object identifier, media object description, file type, preview video] identifies a corresponding plurality of fields 706 where the individual can enter media object information or preferences.” *Id.* (quoting Ex. 1007 ¶ 63); *see* Ex. 1007, Fig. 7. Petitioner also points to Novak’s disclosure that “[o]ther fields may be present where the uploading individual can provide not just schedule information but also other program information, such as actors . . . director, story summary, . . . etc. that are all accessible/displayable from the [electronic program guide] 153.” *Id.* at 28–29 (quoting Ex. 1007 ¶ 63).

We are not persuaded by Petitioner’s contentions that Novak alone teaches or suggests the uploading of “a hierarchical address of hierarchically-arranged categories and subcategories as metadata for categorizing a hierarchical ordering for the title for the video content.”

Petitioner argues that “hierarchically-arranged categories and subcategories as metadata for categorizing a hierarchical ordering [for] the title for the video content” should be construed as “topics and subtopics associated with a particular video title that are useful to categorize and order the title.” Pet. 20 (citing Ex. 1001, 3:28–34, 18:3–20). Petitioner suggests that “genre” could be a “topic,” and “director or actor” could be a “subtopic,” but Petitioner does not describe how these purported topics and subtopics would be useful to order or identify the title. *Id.*; *see also* Ex. 1001, 15:37–41 (describing the “hierarchical addressing scheme” as “a string of category term, subcategory term(s), and title that together . . . uniquely identify[] each program”). At most, Petitioner has explained how Novak teaches the inclusion of terms (e.g., media object description, actors, director, story summary) that may be used to describe uploaded video content, but not how these terms are arranged hierarchically into topics and subtopics to categorize and order the title.

Petitioner further asserts that to the extent that “hierarchically arranged categories and subcategories are not disclosed inherently by Novak, this feature of claim 1 is disclosed by Du[k]iewicz.” *See* Pet. 30–31 (citing Ex. 1011 ¶ 37; Ex. 1008 ¶ 70, Fig. 8). Petitioner explains that Figure 8 of Dukiewicz “illustrates a portion of an exemplary classification hierarchy At the top level of the hierarchy are general subject categories . . . [and] extending from each of the top level categories is a tree of more specific subject categories that fall within the top level category.” *Id.* at 31 (citing Ex. 1008 ¶ 70, Fig. 8). Petitioner further asserts that Dukiewicz discloses that descriptive data concerning a given programming event can be processed to produce metadata to classify the programming

event using the classification hierarchy of Figure 8. *Id.* (citing Ex. 1008 ¶ 72, Fig. 8; Ex. 1011 ¶ 39).

Petitioner argues that “a person of skill in the art would . . . find the additional, more detailed disclosure of [Dukiewicz’s] categorization method helpful in implementing the invention of Novak.” *Id.* at 23. More particularly, Petitioner argues that “[b]ecause both Novak and Du[kiewicz] disclose the inclusion of metadata information with available video content, . . . it would naturally follow to use that information to categorize the uploaded content on the VOD platform in a logical way.” *Id.* According to Petitioner, “[b]y providing a method for automatic hierarchical categorization of programming content based on metadata, Du[kiewicz] facilitates the practice of the VOD system described in Novak.” *Id.* at 22.

The “enabling” and “listing” steps of claim 1 refer to the same “hierarchically-arranged categories and subcategories” in uploaded metadata. Even assuming we agree with Petitioner that the combination of Novak and Dukiewicz renders obvious the “enabling” step of claim 1, we determine that Petitioner has not shown sufficiently that the combination of prior art references renders obvious the subsequent “listing” step of claim 1, as explained further below.

b. “Listing” Step of Claim 1

With respect to the particular claim element of “listing the title of the video content in an electronic program guide for the VOD platform of the discrete digital TV service provider using the same hierarchically-arranged categories and subcategories as used in the uploaded metadata” (Ex. 1001, 21:42–48), Petitioner asserts that interface 702 of Figure 7 of Novak uses headings and fields, such as title, file type, time slot information, actors,

personalities, director, story summary, etc., for the purpose of organizing uploaded content. Pet. 36 (citing Ex. 1007 ¶¶ 63–64, Fig. 7). Petitioner further asserts that electronic program guide 153 includes listing 908 that “identifies the time slots, descriptions, and lengths (collectively shown at 910) of the media program that . . . upload source 122 created and is now making available to end users for viewing.” *Id.* at 35–36 (citing Ex. 1007 ¶ 74, Fig. 9). The implication is that the electronic program guide of Novak’s Figure 9 uses the same data as the metadata inserted through interface 702. Pet. 35. Petitioner argues that Novak discloses that “[o]nce the media object(s) is uploaded to the server, information related to the media objects can be displayed in an electronic program guide (EPG) or otherwise made available to selected subscribers or end users of the interactive video casting system.” Pet. 34–35 (citing Ex. 1007 ¶ 26; Ex. 1011 ¶ 45).

Again, we are not persuaded by Petitioner’s contentions that Novak alone teaches or suggests listing the title of the video content in an electronic program guide using the same hierarchically-arranged categories and subcategories as used in the uploaded metadata for the hierarchical address. At most, Petitioner has explained how Novak teaches the inclusion of the title of the uploaded content in an electronic program guide (as well as time slot, length, and a description, for example), but not how *any* hierarchically-arranged categories and subcategories are used in listing the title of the video content in the electronic program guide, let alone the *same* hierarchically-arranged categories and subcategories as were used in the uploaded metadata (i.e., data to describe a hierarchical ordering that is useful to categorize and order the title of video content).

To the extent that the hierarchically-arranged categories and subcategories are “not disclosed inherently in Novak,” Petitioner again relies on Dukiewicz, pointing to Dukiewicz’s alleged “explicit disclosure of subject-based hierarchically-arranged categories for organizing programming information.” *Id.* at 36 (citing Ex. 1008 ¶¶ 70–71). Even assuming we agree with Petitioner’s view of Dukiewicz’s teachings, we determine that Petitioner has not shown sufficiently that a person of ordinary skill would have combined Dukiewicz and Novak to render obvious the “listing” step of claim 1, as explained further below.

c. Reason to Combine

As stated in *KSR*, “a patent composed of several elements is not proved obvious merely by demonstrating that each of its elements was, independently, known in the prior art.” *KSR Int’l Co. v. Teleflex Inc.*, 550 U.S. 398, 418 (2007). “Although common sense directs one to look with care” at patent claims that combine “two known devices according to their established functions, it can be important to identify a reason that would have prompted a person of ordinary skill in the relevant field to combine the elements.” *Id.*; *Unigene Labs., Inc. v. Apotex, Inc.*, 655 F.3d 1352, 1360 (Fed. Cir. 2011) (“Obviousness requires more than a mere showing that the prior art includes separate references covering each separate limitation in a claim under examination. Rather, obviousness requires the additional showing that a person of ordinary skill at the time of the invention would have selected and combined those prior art elements”); *see also In re Chaganti*, 554 F. App’x 917, 922 (Fed. Cir. 2014) (“It is not enough to say that there would have been a reason to combine two references because to do so would ‘have been obvious to one of ordinary skill.’ Such circular

reasoning is not sufficient—more is needed to sustain an obviousness rejection”) (citation omitted). As explained in *KSR*, an analysis regarding an apparent reason to combine known elements “should be made explicit.” *KSR*, 550 U.S. at 418.

Petitioner asserts that “[i]t would have been obvious to use [Dukiewicz’s] organization technique in conjunction with the electronic program guide disclosed in Novak” to render obvious the “listing” step of claim 1. Pet. 36 (citing Ex. 1011 ¶ 47). Petitioner seems to reason that using Dukiewicz’s organization technique (in which metadata is produced to classify content using a classification hierarchy) is useful with Novak’s electronic program guide “to categorize the uploaded content on the VOD platform in a logical way” (Pet. 23) and “for organizing programming information” (*id.* at 36).

Patent Owner, however, argues that “Novak teaches that the program lineup is fixed by the upload source (*i.e.*, arranging the programs into time slots) and is sent to the end viewer over a dedicated synthetic channel, which obviates any need to arrange programs in hierarchical categories and subcategories.” Prelim. Resp. 45. Patent Owner also argues that end users will be aware of the location of media programs without having to search for them in an electronic program guide because the media programs are only available on a dedicated channel. *Id.* at 45–46.

We agree with Patent Owner and are not persuaded that Petitioner has provided sufficiently articulated reasoning having a rational evidentiary underpinning explaining why an ordinary artisan would have had a reason to modify Novak’s electronic program guide to list the title of uploaded video content in the electronic program guide using the same hierarchically-

arranged categories and subcategories as used in the metadata produced in Dukiewicz for classifying content, considering that the content is already logically organized into assigned time slots on a single channel in Novak to facilitate identification and selection by the end user. Moreover, Petitioner has not explained with any particularity how Dukiewicz's classification hierarchy would be combined with listing the title of uploaded video content in Novak's electronic program guide, so as to support that such a modification of Novak would result in a logical organization of programming as asserted by Petitioner.

We also have considered Petitioner's argument that Novak and Dukiewicz share the same U.S. Classification code, as well as common elements (such as the use of electronic program guides). Pet. 23. These arguments, however, do not remedy the lack of reasoning to explain *why* or *how* one of ordinary skill in the art would use Dukiewicz's classification hierarchy in connection with Novak's electronic program guide.

Consequently, Petitioner has not demonstrated that it is more likely than not that independent claim 1 is unpatentable as obvious over Novak, Dukiewicz, and Logan. For the same reasons, we are not persuaded that Petitioner has demonstrated that it is more likely than not that dependent claims 2–4 and 7–11 are unpatentable as obvious over Novak, Dukiewicz, and Logan.

*E. Obviousness of Claims 1–4 and 7–11 over Novak (Ex. 1007),
Wilson (Ex. 1010), and Logan (Ex. 1009)*

1. Overview of Wilson

Wilson discloses a television program guide having a hierarchical tree structure. Ex. 1010, Abstr. The classifications of the hierarchical tree

structure may fall into first level, second level, third level, fourth level, and fifth level categories. *Id.* ¶ 47. Upon selecting particular content, the title of the program and channel and broadcast time can be displayed. *Id.* ¶ 50.

2. Obviousness of Claims 1–4 and 7–11

Petitioner contends that claim 1 would have been obvious over the combination of Novak, Wilson, and Logan. Pet. 53–59. For the same reasons as described above, we determine that, on the present record, Petitioner has not shown that Novak alone teaches or suggests the uploading of “a hierarchical address of hierarchically-arranged categories and subcategories as metadata for categorizing a hierarchical ordering for the title for the video content” or listing the title of the video content in an electronic program guide using the same hierarchically-arranged categories and subcategories as used in the uploaded metadata for the hierarchical address.

Petitioner submits that the limitation of uploading “a hierarchical address of hierarchically-arranged categories and subcategories as metadata for categorizing a hierarchical ordering for the title for the video content” “would have been obvious to one of skill in the art in view of the combination of Novak and Wilson.” Pet. 55–57. Petitioner points to Wilson’s “hierarchical program guide . . . shown in Figure 2” that includes “a plurality of levels, including at least a first level displayed on the display device and a second level.” *Id.* at 56 (citing Ex. 1010 ¶¶ 19, 27, Fig. 2).

As to a rationale for the combination of Novak and Wilson, Petitioner argues that “[h]ierarchical organization by category, as described by Wilson, would be a desirable means of organizing uploaded content to maximize discoverability” and “would also provide a convenient means for a user to

locate and identify a desired item of programming content within the VOD system of Novak.” *Id.* at 54. Petitioner further argues that Wilson “builds on [Novak’s] disclosure [of ‘the use of metadata as a means of locating desired content’] by describing a specific implementation of an electronic program guide that details the user interface features of a hierarchical structure.” *Id.* at 54–55 (citing Ex. 1007 ¶ 63; Ex. 1010 ¶ 19).

Although Novak arguably discloses the inclusion of metadata information (title, time slot, length, description, etc.) with uploaded content, Novak does not disclose the use of this metadata as a means for users to locate desired content other than showcasing the content at the desired data and time slot entered by the uploader. Patent Owner argues that “Wilson does not explicitly describe how content selections become associated with various categories in the hierarchical tree.” Prelim. Resp. 52. We agree with Patent Owner that Petitioner has not described sufficiently how Wilson’s classification hierarchy within its electronic program guide could be utilized in Novak’s system (in which users insert data regarding the uploaded content) so as to enable the uploading of a hierarchical address of categories and subcategories as metadata, along with the content itself.

As to the limitation of “listing the title of the video content in an electronic program guide . . . using the same hierarchically-arranged categories and subcategories as used in the uploaded metadata for the hierarchical address for the video content” (Ex. 1001, 21:42–47), Petitioner asserts that this element “would have been obvious to one of skill in the art in view of the combination of Novak with Wilson.” Pet. 57. Petitioner asserts that Wilson discloses that second level category 720b may have a plurality of third level categories 730a–c, such as title, actors, and director,

and that within the program guide, displayed data may include channel information, titles, program descriptions, and broadcast time. *Id.* at 58 (citing Ex. 1010 ¶¶ 19, 47, 50, 61, Figs. 2, 7). As to a rationale for the combination of Novak and Wilson, Petitioner argues that “a person of skill in the art would be motivated to improve upon the electronic program guide disclosed in Novak using the additional teachings of Wilson” in order “to organize th[e] content to make it readily accessible to the user.” *Id.* at 54.

Patent Owner, however, argues that “the arrangement of media objects in Novak is fixed by the uploading source and sent to a viewer via a synthetic channel, removing any need for hierarchical arrangement.” Prelim. Resp. 52 (citing Ex. 1007 ¶ 63). We agree with Patent Owner and are not persuaded that Petitioner has explained adequately why an ordinary artisan would have had a reason to purportedly improve upon Novak’s electronic program guide to list the title of the uploaded video content in the electronic program guide in a hierarchical organization by category as described in Wilson, considering that the content is already logically organized into assigned time slots on a single channel in Novak to facilitate identification and selection by the end user.

Overall, Petitioner provides insufficiently articulated reasoning that lacks a rational evidentiary underpinning explaining how or why Wilson’s teachings (that do not describe how content becomes associated with a particular hierarchical classification) would be combined with Novak’s teachings (that do not describe associating hierarchically-arranged categories and subcategories with uploaded content to order or identify content in light of content appearing on a single dedicated channel) to result in the claimed method.

We also have considered Petitioner's argument that Novak and Wilson share the same International Classification Number. Pet. 55. This argument, however, does not remedy the lack of reasoning to explain *why* or *how* one of ordinary skill in the art would use Wilson's hierarchical electronic program guide in connection with Novak's system of assigning a date and time slot at the time of uploading content for airing of the uploaded content on a single dedicated channel.

Consequently, Petitioner has not demonstrated that it is more likely than not that independent claim 1 is unpatentable as obvious over Novak, Wilson, and Logan. For the same reasons, we are not persuaded that Petitioner has demonstrated that it is more likely than not that dependent claims 2–4 and 7–11 are unpatentable as obvious over Novak, Wilson, and Logan.

III. CONCLUSION

For the foregoing reasons, we determine that Petitioner has not demonstrated that it is more likely than not that at least one of the claims challenged in the Petition is unpatentable.

IV. ORDER

For the reasons given, it is

ORDERED that institution of covered business method patent review is *denied*.

CBM2014-00189
Patent 7,631,336 B2

FOR PETITIONER:

Sasha G. Rao
Brandon H. Story
BINGHAM MCCUTCHEN LLP
srao@bingham.com
bstroy@bingham.com

FOR PATENT OWNER:

John D. Simmons
Stephen E. Murray
Dennis J. Butler
PANITCH SCHWARZE BELISARIO & NADEL LLP
jsimmons@panitchlaw.com
smurray@panitchlaw.com
dbutler@panitchlaw.com

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Application Number:	15192598
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Title of Invention:	SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM CONTENT ON TV SERVICES PLATFORM OF A DIGITAL TV SERVICES PROVIDER
First Named Inventor/Applicant Name:	Milton Diaz Perez
Customer Number:	1912
Filer:	Charles R. Macedo/Victoria Gilmore
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		1- Response_to_Office_Action_of _October_30__2017.pdf	538749 f84d5abd7228a54cb38dc790daf30bffb1c540e	yes	16

Multipart Description/PDF files in .zip description			
	Document Description	Start	End
	Amendment/Req. Reconsideration-After Non-Final Reject	1	1
	Claims	2	5
	Applicant Arguments/Remarks Made in an Amendment	6	16

Warnings:

Information:

2	Other Reference-Patent/App/Search documents	CBM_Decision_with_Highlighted_Selections.pdf	12634925	no	30
			0a6a57b02e1725ec20f105fa79918e2023e767c3		

Warnings:

Information:

Total Files Size (in bytes):	13173674
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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.

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.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 15/192,598	Filing Date 06/24/2016	<input type="checkbox"/> To be Mailed
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ENTITY: LARGE SMALL MICRO

APPLICATION AS FILED – PART I

	(Column 1)	(Column 2)		RATE (\$)	FEE (\$)
<input type="checkbox"/> BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A		N/A	
<input type="checkbox"/> SEARCH FEE (37 CFR 1.16(k), (j), or (m))	N/A	N/A		N/A	
<input type="checkbox"/> EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 = *			X \$ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 = *			X \$ =	
<input type="checkbox"/> APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).				
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))					
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL	

APPLICATION AS AMENDED – PART II

	(Column 1)	(Column 2)	(Column 3)		RATE (\$)	ADDITIONAL FEE (\$)
AMENDMENT	01/12/2018	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		
	Total (37 CFR 1.16(i))	* 17	Minus	** 20	= 0	
	Independent (37 CFR 1.16(h))	* 1	Minus	***3	= 0	
	<input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))					
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					
				TOTAL ADD'L FEE	0	

	(Column 1)	(Column 2)	(Column 3)		RATE (\$)	ADDITIONAL FEE (\$)
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		
	Total (37 CFR 1.16(i))	*	Minus	**	=	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	
	<input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))					
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					
				TOTAL ADD'L FEE		

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
 ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
 *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

LIE
 PAULA MCCRAY STANLEY

This collection of information is required by 37 CFR 1.16. 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, 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.**
 If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Doc Code: DIST.E.FILE Document Description: Electronic Terminal Disclaimer - Filed		PTO/SB/26 U.S. Patent and Trademark Office Department of Commerce
Electronic Petition Request	TERMINAL DISCLAIMER TO OBTAIN A DOUBLE PATENTING REJECTION OVER A "PRIOR" PATENT	
Application Number	15192598	
Filing Date	24-Jun-2016	
First Named Inventor	Milton Perez	
Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)	
Title of Invention	SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM CONTENT ON TV SERVICES PLATFORM OF A DIGITAL TV SERVICES PROVIDER	
<input checked="" type="checkbox"/> Filing of terminal disclaimer does not obviate requirement for response under 37 CFR 1.111 to outstanding Office Action <input checked="" type="checkbox"/> This electronic Terminal Disclaimer is not being used for a Joint Research Agreement.		
Owner	Percent Interest	
Broadband iTV, Inc.	100%	
<p>The owner(s) with percent interest listed above in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of prior patent number(s)</p> <p>9635423</p> <p>as the term of said prior patent is presently shortened by any terminal disclaimer. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the prior patent are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.</p> <p>In making the above disclaimer, the owner does not disclaim the terminal part of the term of any patent granted on the instant application that would extend to the expiration date of the full statutory term of the prior patent, "as the term of said prior patent is presently shortened by any terminal disclaimer," in the event that said prior patent later:</p> <ul style="list-style-type: none"> - expires for failure to pay a maintenance fee; - is held unenforceable; - is found invalid by a court of competent jurisdiction; - is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321; - has all claims canceled by a reexamination certificate; - is reissued; or - is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer. <p><input checked="" type="radio"/> Terminal disclaimer fee under 37 CFR 1.20(d) is included with Electronic Terminal Disclaimer request.</p>		

I certify, in accordance with 37 CFR 1.4(d)(4), that the terminal disclaimer fee under 37 CFR 1.20(d) required for this terminal disclaimer has already been paid in the above-identified application.

Applicant claims the following fee status:

Small Entity

Micro Entity

Regular Undiscounted

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

THIS PORTION MUST BE COMPLETED BY THE SIGNATORY OR SIGNATORIES

I certify, in accordance with 37 CFR 1.4(d)(4) that I am:

An attorney or agent registered to practice before the Patent and Trademark Office who is of record in this application

Registration Number 38732

A sole inventor

A joint inventor; I certify that I am authorized to sign this submission on behalf of all of the inventors as evidenced by the power of attorney in the application

A joint inventor; all of whom are signing this request

Signature	/Tzvi Hirshaut/
Name	Tzvi Hirshaut

*Statement under 37 CFR 3.73(b) is required if terminal disclaimer is signed by the assignee (owner).
 Form PTO/SB/96 may be used for making this certification. See MPEP § 324.

Electronic Patent Application Fee Transmittal

Application Number:	15192598			
Filing Date:	24-Jun-2016			
Title of Invention:	SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM CONTENT ON TV SERVICES PLATFORM OF A DIGITAL TV SERVICES PROVIDER			
First Named Inventor/Applicant Name:	Milton Diaz Perez			
Filer:	Tzvi Hirshaut/Victoria Gilmore			
Attorney Docket Number:	BBiTV-CIP1-D9 (07612/58)			
Filed as Small Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
STATUTORY OR TERMINAL DISCLAIMER	2814	1	160	160
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				160

Doc Code: DISQ.E.FILE

Document Description: Electronic Terminal Disclaimer – Approved

Application No.: 15192598

Filing Date: 24-Jun-2016

Applicant/Patent under Reexamination: Perez

Electronic Terminal Disclaimer filed on February 15, 2018

APPROVED

This patent is subject to a terminal disclaimer

DISAPPROVED

Approved/Disapproved by: Electronic Terminal Disclaimer automatically approved by EFS-Web

U.S. Patent and Trademark Office

Electronic Acknowledgement Receipt

EFS ID:	31801025
Application Number:	15192598
International Application Number:	
Confirmation Number:	1328
Title of Invention:	SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM CONTENT ON TV SERVICES PLATFORM OF A DIGITAL TV SERVICES PROVIDER
First Named Inventor/Applicant Name:	Milton Diaz Perez
Customer Number:	1912
Filer:	Tzvi Hirshaut/Victoria Gilmore
Filer Authorized By:	Tzvi Hirshaut
Attorney Docket Number:	BBiTV-CIP1-D9 (07612/58)
Receipt Date:	15-FEB-2018
Filing Date:	24-JUN-2016
Time Stamp:	14:44:10
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	\$160
RAM confirmation Number	021618INTEFSW00001072011785
Deposit Account	
Authorized User	

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

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Terminal Disclaimer-Filed (Electronic)	eTerminal-Disclaimer.pdf	33468 97a78d821238d1947c946c99e4b52777b72b74d8	no	2

Warnings:**Information:**

2	Fee Worksheet (SB06)	fee-info.pdf	30623 06dd6c016285e9e355ecec1eb9c259458c106994	no	2
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Warnings:**Information:**

Total Files Size (in bytes):	64091
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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.



NOTICE OF ALLOWANCE AND FEE(S) DUE

1912 7590 03/13/2018
AMSTER, ROTHSTEIN & EBENSTEIN LLP
90 PARK AVENUE
NEW YORK, NY 10016

EXAMINER

ALAM, MUSHFIKH I

ART UNIT PAPER NUMBER

2426

DATE MAILED: 03/13/2018

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.

15/192,598 06/24/2016 Milton Diaz Perez BBTV-CIP1-D9 1328
(07612/58)
TITLE OF INVENTION: SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM CONTENT ON TV SERVICES PLATFORM OF A DIGITAL TV SERVICES PROVIDER

Table with 7 columns: APPLN. TYPE, ENTITY STATUS, ISSUE FEE DUE, PUBLICATION FEE DUE, PREV. PAID ISSUE FEE, TOTAL FEE(S) DUE, DATE DUE

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: Maintenance fees are due in utility patents issuing on applications filed on or after Dec. 12, 1980. It is patentee's responsibility to ensure timely payment of maintenance fees when due. More information is available at www.uspto.gov/PatentMaintenanceFees.

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)

1912 7590 03/13/2018
AMSTER, ROTHSTEIN & EBENSTEIN LLP
 90 PARK AVENUE
 NEW YORK, NY 10016

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.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/192,598	06/24/2016	Milton Diaz Perez	BBITV-CIP1-D9 <small>(07612/58)</small>	1328

TITLE OF INVENTION: SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM CONTENT ON TV SERVICES PLATFORM OF A DIGITAL TV SERVICES PROVIDER

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$500	\$0	\$0	\$500	06/13/2018

EXAMINER	ART UNIT	CLASS-SUBCLASS
ALAM, MUSHFIKH I	2426	725-087000

<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, _____ 1</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. _____ 2</p> <p>_____ 3</p>
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3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE _____ (B) RESIDENCE: (CITY and STATE OR COUNTRY) _____

Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government

<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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<p>5. Change in Entity Status (from status indicated above)</p> <p><input type="checkbox"/> Applicant certifying micro entity status. See 37 CFR 1.29</p> <p><input type="checkbox"/> Applicant asserting small entity status. See 37 CFR 1.27</p> <p><input type="checkbox"/> Applicant changing to regular undiscounted fee status.</p>	<p><u>NOTE:</u> 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.</p> <p><u>NOTE:</u> 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.</p> <p><u>NOTE:</u> Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.</p>
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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 _____ 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.
Row 1: 15/192,598, 06/24/2016, Milton Diaz Perez, BBITV-CIP1-D9 (07612/58), 1328
Row 2: 1912, 7590, 03/13/2018, AMSTER, ROTHSTEIN & EBENSTEIN LLP, 90 PARK AVENUE, NEW YORK, NY 10016, EXAMINER ALAM, MUSHFIKH I, ART UNIT 2426, PAPER NUMBER

DATE MAILED: 03/13/2018

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.
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 inspection 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.

Notice of Allowability	Application No. 15/192,598	Applicant(s) PEREZ, MILTON DIAZ	
	Examiner MUSHFIKH ALAM	Art Unit 2426	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 2/15/2018.
 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 1-17. 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. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 2. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date <u>See Continuation Sheet</u> | 6. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| 3. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 7. <input type="checkbox"/> Other _____. |
| 4. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>2/14/2018</u> . | |

Continuation of Attachment(s) 2. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date: 11/16/2017, 12/11/2017.

DETAILED ACTION

1. The present application is being examined under the pre-AIA first to invent provisions.

Terminal Disclaimer

2. The terminal disclaimer filed on 2/15/2018 disclaiming the terminal portion of any patent granted on this application has been reviewed and is accepted. The terminal disclaimer has been recorded.

Information Disclosure Statement

3. The references listed on the Information Disclosure Statements filed on 11/16/2017, 12/11/2017 has been considered by examiner (see attached PTO/SB/08).

EXAMINER'S AMENDMENT

4. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Charles Macedo on 2/14/2018.

The Application has been amended as follows:

In The Claims:

1. (Currently Amended) An Internet-connected digital device for receiving, via the Internet, video content to be viewed by a subscriber of a video-on-demand system using a hierarchically arranged electronic program guide,

the Internet-connected digital device being configured to obtain and present to the subscriber an electronic program guide as a templated video-on-demand display, which uses at least one of a plurality of different display templates to which the Internet-connected digital device has access, to enable a subscriber using the Internet-connected digital device to navigate in a drill-down manner through titles by category information in order to locate a particular one of the titles whose associated video content is desired for viewing on the Internet-connected digital device using the same category information as was designated by a video content provider in metadata associated with the video content;

wherein the templated video-on-demand display has been generated in a plurality of layers, comprising:

(a) a first layer comprising a background screen to provide at least one of a basic color, logo, or graphical theme to display;

(b) a second layer comprising a particular display template from the plurality of different display templates layered on the background screen, wherein the particular display template comprises one or more reserved areas that are reserved for displaying content provided by a different layer of the plurality of layers; and

(c) a third layer comprising reserved area content generated using the received video content, the associated metadata, and the associated plurality of images to be displayed in the one or more reserved areas in the particular display template as at least one of text, an image, a navigation link, and a button,

wherein the navigating through titles in a drill-down manner comprises navigating from a first level of the hierarchical structure of the video-on-demand content menu to a second level of the hierarchical structure to locate the particular one of the titles, and

wherein a first template of the plurality of different display templates is used as the particular display template for the templated display for displaying the first level of the hierarchical structure and wherein a second template of the plurality of different display templates is used as the particular display template for the templated display for displaying the second level of the hierarchical structure.

wherein the received video content was uploaded to a Web-based content management system by a content provider device associated with the video content provider via the Internet in a digital video format, along with associated metadata including title information and category information, and along with an associated plurality of images designated by the video content provider, the associated metadata specifying a respective hierarchical location of a respective title of the video content within the electronic program guide to be displayed on the Internet-connected digital device using the respective hierarchically-arranged category information associated with the respective title,

wherein at least one of the uploaded associated plurality of images designated by the video content provider is displayed with the associated respective title in the templated video-on-demand display.

Allowable Subject Matter

5. Claims 1-17 are allowed.

6. The following is an examiner's statement of reasons for allowance:

With respect to claim 1, the prior art of record fails to disclose singly or in combination or render obvious an Internet-connected digital device for receiving, via the Internet, video content to be viewed by a subscriber of a video-on-demand system using a hierarchically arranged electronic program guide,

the Internet-connected digital device being configured to obtain and present to the subscriber an electronic program guide as a templated video-on-demand display, which uses at least one of a plurality of different display templates to which the Internet-connected digital device has access, to enable a subscriber using the Internet-connected digital device to navigate in a drill-down manner through titles by category information in order to locate a particular one of the titles whose associated video content is desired for viewing on the Internet-connected digital device using the same category information as was designated by a video content provider in metadata associated with the video content;

wherein the templated video-on-demand display has been generated in a plurality of layers, comprising:

(a) a first layer comprising a background screen to provide at least one of a basic color, logo, or graphical theme to display;

(b) a second layer comprising a particular display template from the plurality of different display templates layered on the background screen, wherein the particular display template comprises one or more reserved areas that are reserved for displaying content provided by a different layer of the plurality of layers; and

(c) a third layer comprising reserved area content generated using the received video content, the associated metadata, and the associated plurality of images to be displayed in the one or more reserved areas in the particular display template as at least one of text, an image, a navigation link, and a button,

wherein the navigating through titles in a drill-down manner comprises navigating from a first level of the hierarchical structure of the video-on-demand content menu to a second level of the hierarchical structure to locate the particular one of the titles, and

wherein a first template of the plurality of different display templates is used as the particular display template for the templated display for displaying the first level of the hierarchical structure and wherein a second template of the plurality of different display templates is used as the particular display template

Art Unit: 2426

for the templated display for displaying the second level of the hierarchical structure.

wherein the received video content was uploaded to a Web-based content management system by a content provider device associated with the video content provider via the Internet in a digital video format, along with associated metadata including title information and category information, and along with an associated plurality of images designated by the video content provider, the associated metadata specifying a respective hierarchical location of a respective title of the video content within the electronic program guide to be displayed on the Internet-connected digital device using the respective hierarchically-arranged category information associated with the respective title,

wherein at least one of the uploaded associated plurality of images designated by the video content provider is displayed with the associated respective title in the templated video-on-demand display.

The prior art do not disclose or render obvious the amended features.

Furthermore, claim 1 recites a method claim for providing a VOD delivery platform which services multiple users. Thus, the claim is directed to a process, which is one of the statutory categories of invention.

Next, the claim recites the VOD content provider, web-based content management server. The network also receives uploaded content with metadata associated to the content for service to users in a VOD demand platform. Users will select content, from the VOD server, which will be played back from a tuner on the user

equipment. The data will be organized with categories and subcategories in a hierarchical structure to solve the problem of a user having to sift through thousands of titles in order to find a program of interest. The claim does not recite a basic concept that is similar to any abstract idea previously identified by the courts. For example, the claim does not recite any mathematical concept, a mental process such as comparing or categorizing information that can be performed in the human mind, or by a human using a pen and paper. Accordingly, the claim does not set forth or describe an abstract idea. Instead, the claimed method is necessarily rooted in video streaming technology to overcome a problem specifically arising in Video On Demand services that host large amounts of content.

Claim 2-17 are allowable as being dependent from allowable independent claim 1.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Art Unit: 2426

US 7917933 B2	Thomas; William L. et al.
US 7367043 B2	Dudkiewicz; Gil Gavriel et al.
US 20020104099 A1	Novak, Robert Eustace
US 7444402 B2	Rennels; Ernest B.
US 20020088010 A1	Dudkiewicz, Gil Gavriel et al.
US 20020059621 A1	Thomas, William L. et al.
US 20020194194 A1	Fenton, Nicholas W. et al.
US 20040103120 A1	Fickle, Richard C. et al.
US 7103905 B2	Novak; Robert Eustace
US 8042132 B2	Carney; John et al.
US 8434118 B2	Gonder; Thomas L. et al.
US 20070198532 A1	Krikorian; Jason et al.
US 6754904 B1	Cooper; Robert M. et al.
US 7222163 B1	Girouard; David et al.
US 20030037010 A1	Schmelzer, Richard A.
US 20030084126 A1	Kumar, Senthil et al.
US 7987492 B2	Liwerant; Gad et al.
US 20020163532 A1	Thomas, McGee et al.

Inquiries

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MUSHFIKH ALAM whose telephone number is (571)270-1710. The examiner can normally be reached on Mon-Fri: 8:30-18:00 EST.

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, Nasser Goodarzi can be reached on (571)272-4195. The fax phone 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.

/MUSHFIKH ALAM/
Primary Examiner, Art Unit 2426
2/27/2018

<i>Examiner-Initiated Interview Summary</i>	Application No.	Applicant(s)	
	15/192,598	PEREZ, MILTON DIAZ	
	Examiner	Art Unit	
	MUSHFIKH ALAM	2426	

All participants (applicant, applicant's representative, PTO personnel):

(1) MUSHFIKH ALAM. (3)_____.

(2) Charles Macedo. (4)_____.

Date of Interview: 14 February 2018.

Type: Telephonic Video Conference
 Personal [copy given to: applicant applicant's representative]

Exhibit shown or demonstration conducted: Yes No.
If Yes, brief description: _____.

Issues Discussed 101 112 102 103 Others
(For each of the checked box(es) above, please describe below the issue and detailed description of the discussion)

Claim(s) discussed: 1.

Identification of prior art discussed: n/a.

Substance of Interview
(For each issue discussed, provide a detailed description and indicate if agreement was reached. Some topics may include: identification or clarification of a reference or a portion thereof, claim interpretation, proposed amendments, arguments of any applied references etc...)

Examiner suggested to amend the claims to further clarify the limitations and to file a Terminal Disclaimer to place the claims in condition for allowance.

Applicant recordation instructions: It is not necessary for applicant to provide a separate record of the substance of interview.

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

Attachment

Notice of References Cited	Application/Control No. 15/192,598	Applicant(s)/Patent Under Reexamination PEREZ, MILTON DIAZ	
	Examiner MUSHFIKH ALAM	Art Unit 2426	Page 1 of 2

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-2002/0059621 A1	05-2002	Thomas, William L.	G06F3/0481	725/87
*	B	US-2002/0088010 A1	07-2002	Dudkiewicz, Gil Gavriel	G06F17/30017	725/138
*	C	US-2002/0104099 A1	08-2002	Novak, Robert Eustace	H04N7/17318	725/136
*	D	US-2002/0163532 A1	11-2002	Thomas, McGee	G06F17/30814	715/723
*	E	US-2002/0194194 A1	12-2002	Fenton, Nicholas W.	G06F17/3089	1/1
*	F	US-2003/0037010 A1	02-2003	Schmelzer, Richard A.	G06F17/30026	705/67
*	G	US-2003/0084126 A1	05-2003	Kumar, Senthil	G06Q30/02	709/219
*	H	US-2004/0103120 A1	05-2004	Fickle, Richard C.	G06Q10/10	1/1
*	I	US-6,754,904 B1	06-2004	Cooper; Robert M.	G06Q10/10	348/E7.071
*	J	US-7,103,905 B2	09-2006	Novak; Robert Eustace	H04N7/17318	348/E7.071
*	K	US-7,222,163 B1	05-2007	Girouard; David	G11B27/28	375/E7.025
*	L	US-2007/0198532 A1	08-2007	Krikorian; Jason	G06Q30/0273	705/14.69
*	M	US-7,367,043 B2	04-2008	Dudkiewicz; Gil Gavriel	G06F17/30017	348/E5.006

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Notice of References Cited	Application/Control No. 15/192,598	Applicant(s)/Patent Under Reexamination PEREZ, MILTON DIAZ	
	Examiner MUSHFIKH ALAM	Art Unit 2426	Page 2 of 2

U.S. PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A US-7,444,402 B2	10-2008	Rennels; Ernest B.	H04H20/31	709/219
*	B US-7,917,933 B2	03-2011	Thomas; William L.	G06F3/0481	725/87
*	C US-7,987,492 B2	07-2011	Liwerant; Gad	H04M3/567	725/105
*	D US-8,042,132 B2	10-2011	Carney; John	G06Q30/02	709/217
*	E US-8,434,118 B2	04-2013	Gonder; Thomas L.	H04L29/06027	725/87
	F US-				
	G US-				
	H US-				
	I US-				
	J US-				
	K US-				
	L US-				
	M US-				


FOREIGN PATENT DOCUMENTS

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	N				
	O				
	P				
	Q				
	R				
	S				
	T				

NON-PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)				
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	V				
	W				
	X				

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Index of Claims 	Application/Control No. 15192598	Applicant(s)/Patent Under Reexamination PEREZ, MILTON DIAZ
	Examiner MUSHFIKH ALAM	Art Unit 2426

✓	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	04/24/2017	10/25/2017	02/27/2018					
1	1	✓	✓	=					
2	2	✓	✓	=					
3	3	✓	✓	=					
4	4	✓	✓	=					
5	5	✓	✓	=					
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15	15	✓	✓	=					
16	16	✓	✓	=					
17	17	✓	✓	=					

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S108	1	"9113228".pn.	USPAT	OR	OFF	2017/10/25 15:46
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S106	1	"9641896".pn.	US- PGPUB; USPAT	OR	OFF	2017/08/10 15:49
S105	1	"9386340".pn.	US- PGPUB; USPAT	OR	OFF	2017/08/10 15:49
S104	1	"9338511".pn.	US- PGPUB; USPAT	OR	OFF	2017/08/10 15:48
S103	2	"20020163532"	US- PGPUB; USPAT	OR	OFF	2016/12/02 16:09
S102	1	"7987492".pn.	US- PGPUB; USPAT	OR	OFF	2016/12/02 15:48
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S100	0	725/74-104.ccls. and search\$3.clm. same time.clm. same genre.clm. same metadata.clm.	US- PGPUB; USPAT	OR	ON	2016/09/27 15:37
S99	18	725/74-104.ccls. and demand.clm. with server.clm. with source.clm.	USPAT	OR	OFF	2016/09/27 15:36
S98	4	725/74-104.ccls. and manag\$3.clm. with content.clm. with web.clm.	USPAT	OR	OFF	2016/09/27 15:36
S97	0	725/74-104.ccls. and vod.clm. with user.clm. with submitted.clm.	USPAT	OR	OFF	2016/09/27 15:36
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S94	8	"148807".ap.	USPAT	OR	OFF	2016/09/27 14:46
S93	1	"8918812".pn.	US- PGPUB; USPAT	OR	OFF	2016/05/23 14:19
S92	1	screen\$3.clm. and "diaz perez".in. and alam.xp. with mushfikh	US- PGPUB; USPAT	OR	OFF	2016/05/22 18:11
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			PGPUB; USPAT			17:51
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S79	2	"20030084126"	US- PGPUB; USPAT	OR	OFF	2015/09/10 15:13
S78	2	"20030037010"	US- PGPUB; USPAT	OR	OFF	2015/09/10 15:12
S77	1	"7222163".pn.	US- PGPUB; USPAT	OR	OFF	2015/09/10 15:11
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S72	2	"20130125158"	US- PGPUB;	OR	OFF	2015/03/25 16:49

			USPAT			
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S70	1	"20030009542"	US- PGPUB; USPAT	OR	OFF	2015/03/25: 16:48
S69	1	"20010052132"	US- PGPUB; USPAT	OR	OFF	2015/03/25: 16:48
S68	1	"8434118".pn.	USPAT	OR	OFF	2015/03/20: 16:01

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BIB DATA SHEET


CONFIRMATION NO. 1328

SERIAL NUMBER 15/192,598	FILING or 371(c) DATE 06/24/2016 RULE	CLASS 725	GROUP ART UNIT 2426	ATTORNEY DOCKET NO. BBiTV-CIP1-D9 (07612/58)		
APPLICANTS Broadband iTV, Inc., Honolulu, HI; INVENTORS Milton Diaz Perez, Tiburon, CA; ** CONTINUING DATA ***** This application is a CON of 14/827,090 08/14/2015 PAT 9420318 which is a CON of 12/632,745 12/07/2009 PAT 9113228 which is a DIV of 11/685,188 03/12/2007 PAT 7631336 which is a CIP of 10/909,192 07/30/2004 PAT 7590997 ** FOREIGN APPLICATIONS ***** ** IF REQUIRED, FOREIGN FILING LICENSE GRANTED *** SMALL ENTITY ** 07/11/2016						
Foreign Priority claimed <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 35 USC 119(a-d) conditions met <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Verified and Acknowledged <u>/MUSFIKH I ALAM/</u> Examiner's Signature		<input type="checkbox"/> Met after Allowance Initials	STATE OR COUNTRY CA	SHEETS DRAWINGS 13	TOTAL CLAIMS 17	INDEPENDENT CLAIMS 1
ADDRESS AMSTER, ROTHSTEIN & EBENSTEIN LLP 90 PARK AVENUE NEW YORK, NY 10016 UNITED STATES						
TITLE SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM CONTENT ON TV SERVICES PLATFORM OF A DIGITAL TV SERVICES PROVIDER						
FILING FEE RECEIVED 730	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:			<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit		

Issue Classification 	Application/Control No. 15192598	Applicant(s)/Patent Under Reexamination PEREZ, MILTON DIAZ
	Examiner MUSHFIKH ALAM	Art Unit 2426


CPC				Type	Version
Symbol					
H04N	21	47202		F	2013-01-01
H04N	21	222		I	2013-01-01
H04N	21	482		I	2013-01-01
H04N	21	4622		I	2013-01-01
H04N	21	47214		I	2013-01-01
H04N	21	8545		I	2013-01-01
H04N	21	6125		I	2013-01-01
H04N	21	6175		I	2013-01-01
H04N	21	239		I	2013-01-01
H04N	21	25875		I	2013-01-01
H04N	21	41407		I	2013-01-01
H04N	21	4753		I	2013-01-01
G06Q	30	02		I	2013-01-01
H04N	7	17318		I	2013-01-01
H04N	21	2547		I	2013-01-01
H04N	21	25891		I	2013-01-01
H04N	21	4722		I	2013-01-01
H04N	21	4758		I	2013-01-01
H04N	21	812		I	2013-01-01
H04N	21	2393		I	2013-01-01
H04N	21	26291		I	2013-01-01
H04N	21	2665		I	2013-01-01
H04N	21	4821		I	2013-01-01
H04N	21	4825		I	2013-01-01
H04N	21	64322		I	2013-01-01
H04N	21	4312		I	2013-01-01
H04N	21	4345		I	2013-01-01
H04N	21	6379		I	2013-01-01
H04N	21	84		I	2013-01-01
H04N	21	85406		I	2013-01-01
H04N	21	4786		I	2013-01-01

NONE		Total Claims Allowed:	
		17	
(Assistant Examiner)	(Date)	O.G. Print Claim(s)	O.G. Print Figure
/MUSHFIKH ALAM/ Primary Examiner.Art Unit 2426	2/27/2018	1	1
(Primary Examiner)	(Date)		

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	Examiner MUSHFIKH ALAM	Art Unit 2426


CPC Combination Sets				
Symbol	Type	Set	Ranking	Version

NONE	Total Claims Allowed:		
(Assistant Examiner)	(Date)	17	
/MUSHFIKH ALAM/ Primary Examiner.Art Unit 2426	2/27/2018	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

Issue Classification 	Application/Control No. 15192598	Applicant(s)/Patent Under Reexamination PEREZ, MILTON DIAZ
	Examiner MUSHFIKH ALAM	Art Unit 2426

US ORIGINAL CLASSIFICATION						INTERNATIONAL CLASSIFICATION														
CLASS		SUBCLASS				CLAIMED					NON-CLAIMED									
725		87				H	0	4	N	7 / 18 (2006.0)										
CROSS REFERENCE(S)						H	0	4	N	7 / 173 (2011.01.01)										
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)																			
725	80	82	91	93	114															
725	115	119	133																	

NONE		Total Claims Allowed:	
		17	
(Assistant Examiner)	(Date)		
/MUSHFIKH ALAM/ Primary Examiner. Art Unit 2426	2/27/2018	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

Issue Classification 	Application/Control No. 15192598	Applicant(s)/Patent Under Reexamination PEREZ, MILTON DIAZ
	Examiner MUSHFIKH ALAM	Art Unit 2426

<input type="checkbox"/> Claims renumbered in the same order as presented by applicant																<input type="checkbox"/> CPA		<input checked="" 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						
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16	16																				

NONE		Total Claims Allowed:	
		17	
(Assistant Examiner)	(Date)	O.G. Print Claim(s)	O.G. Print Figure
/MUSHFIKH ALAM/ Primary Examiner. Art Unit 2426	2/27/2018	1	1
(Primary Examiner)	(Date)		

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	15192598
	Filing Date	2016-06-24
	First Named Inventor	Milton Diaz Perez
	Art Unit	2426
	Examiner Name	ALAM, Mushfikh I.
	Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

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	5616876	A	1997-04-01	Cluts	
	2	5670730	A	1997-09-23	Grewe et al.	
	3	5739451	A	1998-04-14	Winsky et al.	
	4	5798921	A	1998-08-25	Johnson et al.	
	5	5918303	A	1999-06-29	Yamaura et al.	
	6	5969283	A	1999-10-19	Looney et al.	
	7	6062868	A	2000-05-16	Toriumi	
	8	6118450	A	2000-09-12	Proehl et al.	

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First Named Inventor	Milton Diaz Perez	
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Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)	

9	6128012	A	2000-10-03	Seidensticker, Jr., et al.
10	6248946	B1	2001-06-19	Dwek
11	6332175	B1	2001-12-18	Birrell et al.
12	6377530	B1	2002-04-23	Burrows
13	6760721	B1	2004-07-06	Chasen et al.
14	6928433	B2	2005-08-09	Goodman et al.
15	6976229	B1	2005-12-13	Balabanovic et al.

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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	20020045960	A1	2002-04-18	Phillips et al.	
	2	20030016940	A1	2003-01-23	Robbins	

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

**INFORMATION DISCLOSURE
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FOREIGN PATENT DOCUMENTS								Remove
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
	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
	1		

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EXAMINER SIGNATURE			
Examiner Signature	/MUSHFIKH I ALAM/	Date Considered	02/27/2018

*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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Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)		

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	/Tzvi Hirshaut/	Date (YYYY-MM-DD)	2017-12-11
Name/Print	Tzvi Hirshaut	Registration Number	38,732

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:

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2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
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.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	15192598
	Filing Date	2016-06-24
	First Named Inventor	Milton Diaz Perez
	Art Unit	2426
	Examiner Name	ALAM, Mushfikh I.
	Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

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	7814519	B2	2010-10-12	Rao et al.	

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

U.S.PATENT APPLICATION PUBLICATIONS						Remove
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	20100175090	A1	2010-07-08	Cordray	
	2	20080155613	A1	2008-06-26	Benya et al.	
	3	20050216941	A1	2005-09-29	Flanagan et al.	
	4	20050097600	A1	2005-05-05	Heer	
	5	20020199188	A1	2002-12-26	Sie et al.	

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6	20030149981	A1	2003-08-07	Finster, et al.
7	20080276277	A1	2008-11-06	Ahn, et al.

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FOREIGN PATENT DOCUMENTS

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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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		

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

EXAMINER SIGNATURE

Examiner Signature	/MUSHFIKH I ALAM/	Date Considered	02/27/2018
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Search Notes 	Application/Control No. 15192598	Applicant(s)/Patent Under Reexamination PEREZ, MILTON DIAZ
	Examiner MUSHFIKH ALAM	Art Unit 2426

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
725	74-104	4/24/2017	MA
725	74-104	10/25/2017	MA
725	74-104	2/27/2018	MA

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

SEARCH NOTES		
Search Notes	Date	Examiner
Inventor Search	4/24/2017	
725/74-104 - limited by text search	4/24/2017	MA
725 - limited by text search	4/24/2017	MA
725/74-104 - limited by text search	10/25/2017	MA
725 - limited by text search	10/25/2017	MA
725 - limited by text search	2/27/2018	MA
725/74-104 - limited by text search	2/27/2018	MA

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner
USPPGPUB	independent claim keyword.clm.	2/27/2018	MA

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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)

1912 7590 03/13/2018
AMSTER, ROTHSTEIN & EBENSTEIN LLP
 90 PARK AVENUE
 NEW YORK, NY 10016

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.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/192,598	06/24/2016	Milton Diaz Perez	BBITV-CIP1-D9 <small>(07612/58)</small>	1328

TITLE OF INVENTION: SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM CONTENT ON TV SERVICES PLATFORM OF A DIGITAL TV SERVICES PROVIDER

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$500	\$0	\$0	\$500	06/13/2018

EXAMINER	ART UNIT	CLASS-SUBCLASS
ALAM, MUSHFIKH I	2426	725-087000

<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 Amster, Rothstein & Ebenstein LLP 2 _____ 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 **Broadband iTV, Inc.** (B) RESIDENCE: (CITY and STATE OR COUNTRY) **Honolulu, HI**

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>011785</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.

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 /Tzvi Hirshaut/ Date June 12, 2018
 Typed or printed name Tzvi Hirshaut Registration No. 38,732

Electronic Patent Application Fee Transmittal

Application Number:	15192598			
Filing Date:	24-Jun-2016			
Title of Invention:	SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM CONTENT ON TV SERVICES PLATFORM OF A DIGITAL TV SERVICES PROVIDER			
First Named Inventor/Applicant Name:	Milton Diaz Perez			
Filer:	Tzvi Hirshaut/Victoria Gilmore			
Attorney Docket Number:	BBiTV-CIP1-D9 (07612/58)			
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:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
PUBL. FEE- EARLY, VOLUNTARY, OR NORMAL	1504	1	0	0
UTILITY APPL ISSUE FEE	2501	1	500	500
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				500

Electronic Acknowledgement Receipt

EFS ID:	32870325
Application Number:	15192598
International Application Number:	
Confirmation Number:	1328
Title of Invention:	SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM CONTENT ON TV SERVICES PLATFORM OF A DIGITAL TV SERVICES PROVIDER
First Named Inventor/Applicant Name:	Milton Diaz Perez
Customer Number:	1912
Filer:	Tzvi Hirshaut/Victoria Gilmore
Filer Authorized By:	Tzvi Hirshaut
Attorney Docket Number:	BBiTV-CIP1-D9 (07612/58)
Receipt Date:	12-JUN-2018
Filing Date:	24-JUN-2016
Time Stamp:	11:41:18
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	\$500
RAM confirmation Number	061218INTEFSW00011358011785
Deposit Account	
Authorized User	

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

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)	58-PTOL-85.pdf	952877	no	1
			05ff6fb5684a76caba2bf409ab427ac62256fbee		

Warnings:**Information:**

2	Fee Worksheet (SB06)	fee-info.pdf	32113	no	2
			e496de26f9b45e30e5ecefcb64376bc22f88541		

Warnings:**Information:****Total Files Size (in bytes):**

984990

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	15192598
	Filing Date	2016-06-24
	First Named Inventor	Milton Diaz Perez
	Art Unit	2422
	Examiner Name	
	Attorney Docket Number	BBiTV-CIP1-D9 (07612/58)

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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	
	1						

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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	
	1	20020092019		2002-07-11	Marcus Dwight		
	2	20050160458		2005-07-21	Baumgartner		

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

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FOREIGN PATENT DOCUMENTS								Remove
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
	1	WO01038960	WO		2001-05-31	Future TV		
	2	WO01022688	WO		2001-03-29	Streaming 21		

Change(s) applied to document, /M.E.G./ 3/16/2018



APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/192,598	07/17/2018	10028026	BBiTV-CIP1-D9 (07612/58)	1328

1912 7590 06/27/2018
AMSTER, ROTHSTEIN & EBENSTEIN LLP
90 PARK AVENUE
NEW YORK, NY 10016

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):

Milton Diaz Perez, Tiburon, CA;
Broadband iTV, Inc., Honolulu, HI;

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



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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 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO., EXAMINER, ART UNIT, PAPER NUMBER, NOTIFICATION DATE, DELIVERY MODE. Includes application details for 15/192,598 filed 06/24/2016 by Milton Diaz Perez.

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.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PTODOCKET@ARELAW.COM

<i>Applicant-Initiated Interview Summary</i>	Application No. 15/192,598	Applicant(s) PEREZ, MILTON DIAZ	
	Examiner MUSHFIKH ALAM	Art Unit 2426	

All participants (applicant, applicant's representative, PTO personnel):

- (1) MUSHFIKH ALAM. (3)_____.
- (2) Charles Macedo. (4)_____.

Date of Interview: 21 June 2018.

Type: Telephonic Video Conference
 Personal [copy given to: applicant applicant's representative]

Exhibit shown or demonstration conducted: Yes No.
If Yes, brief description: _____.

Issues Discussed 101 112 102 103 Others
(For each of the checked box(es) above, please describe below the issue and detailed description of the discussion)

Claim(s) discussed: 1.

Identification of prior art discussed: n/a.

Substance of Interview

(For each issue discussed, provide a detailed description and indicate if agreement was reached. Some topics may include: identification or clarification of a reference or a portion thereof, claim interpretation, proposed amendments, arguments of any applied references etc...)

Applicant requested the Examiner to perform an Examiner Amendment to fix an antecedent issue. Examiner submits a Corrected Notice of Allowance.

Applicant recordation instructions: The formal written reply to the last Office action must include the substance of the interview. (See MPEP section 713.04). If a reply to the last Office action has already been filed, applicant is given a non-extendable period of the longer of one month or thirty days from this interview date, or the mailing date of this interview summary form, whichever is later, to file a statement of the substance of the interview

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

Attachment

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews

Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

Supplemental Notice of Allowability	Application No. 15/192,598	Applicant(s) PEREZ, MILTON DIAZ	
	Examiner MUSHFIKH ALAM	Art Unit 2426	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 3/13/2018.
 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 1-17. 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. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 2. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 6. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| 3. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 7. <input type="checkbox"/> Other _____. |
| 4. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>6/21/2018</u> . | |

DETAILED ACTION

1. The present application is being examined under the pre-AIA first to invent provisions.

Terminal Disclaimer

2. The terminal disclaimer filed on 2/15/2018 disclaiming the terminal portion of any patent granted on this application has been reviewed and is accepted. The terminal disclaimer has been recorded.

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Charles Macedo on 6/21/2018.

The Application has been amended as follows:

In The Claims:

1. (Currently Amended) An Internet-connected digital device for receiving, via the Internet, video content to be viewed by a subscriber of a video-on-demand system using a hierarchically arranged electronic program guide,

the Internet-connected digital device being configured to obtain and present to the subscriber an electronic program guide as a templated video-on-demand display, which uses at least one of a plurality of different display templates to which the Internet-connected digital device has access, to enable a subscriber using the Internet-connected digital device to navigate in a drill-down manner through titles by category information in order to locate a particular one of the titles whose associated video content is desired for viewing on the Internet-connected digital device using the same category information as was designated by a video content provider in metadata associated with the video content;

wherein the templated video-on-demand display has been generated in a plurality of layers, comprising:

(a) a first layer comprising a background screen to provide at least one of a basic color, logo, or graphical theme to display;

(b) a second layer comprising a particular display template from the plurality of different display templates layered on the background screen, wherein the particular display template comprises one or more reserved areas that are reserved for displaying content provided by a different layer of the plurality of layers; and

(c) a third layer comprising reserved area content generated using the received video content, the associated metadata, and the associated plurality of images to be

Art Unit: 2426

displayed in the one or more reserved areas in the particular display template as at least one of text, an image, a navigation link, and a button,

wherein the navigating through titles in a drill-down manner comprises navigating from a first level of a hierarchical structure of the video-on-demand content menu to a second level of the hierarchical structure to locate the particular one of the titles, and wherein a first template of the plurality of different display templates is used as the particular display template for the templated display for displaying the first level of the hierarchical structure and wherein a second template of the plurality of different display templates is used as the particular display template for the templated display for displaying the second level of the hierarchical structure.

wherein the received video content was uploaded to a Web-based content management system by a content provider device associated with the video content provider via the Internet in a digital video format, along with associated metadata including title information and category information, and along with an associated plurality of images designated by the video content provider, the associated metadata specifying a respective hierarchical location of a respective title of the video content within the electronic program guide to be displayed on the Internet-connected digital device using the respective hierarchically-arranged category information associated with the respective title,

wherein at least one of the uploaded associated plurality of images designated by the video content provider is displayed with the associated respective title in the templated video-on-demand display.

Allowable Subject Matter

4. Claims 1-17 are allowed.

5. The following is an examiner's statement of reasons for allowance:

With respect to claim 1, the prior art of record fails to disclose singly or in combination or render obvious an Internet-connected digital device for receiving, via the Internet, video content to be viewed by a subscriber of a video-on-demand system using a hierarchically arranged electronic program guide,

the Internet-connected digital device being configured to obtain and present to the subscriber an electronic program guide as a templated video-on-demand display, which uses at least one of a plurality of different display templates to which the Internet-connected digital device has access, to enable a subscriber using the Internet-connected digital device to navigate in a drill-down manner through titles by category information in order to locate a particular one of the titles whose associated video content is desired for viewing on the Internet-connected digital device using the same category information as was designated by a video content provider in metadata associated with the video content;

wherein the templated video-on-demand display has been generated in a plurality of layers, comprising:

(a) a first layer comprising a background screen to provide at least one of a basic color, logo, or graphical theme to display;

(b) a second layer comprising a particular display template from the plurality of different display templates layered on the background screen, wherein the particular display template comprises one or more reserved areas that are reserved for displaying content provided by a different layer of the plurality of layers; and

(c) a third layer comprising reserved area content generated using the received video content, the associated metadata, and the associated plurality of images to be displayed in the one or more reserved areas in the particular display template as at least one of text, an image, a navigation link, and a button,

wherein the navigating through titles in a drill-down manner comprises navigating from a first level of a hierarchical structure of the video-on-demand content menu to a second level of the hierarchical structure to locate the particular one of the titles, and

wherein a first template of the plurality of different display templates is used as the particular display template for the templated display for displaying the first level of the hierarchical structure and wherein a second template of the plurality of different display templates is used as the particular display template for the templated display for displaying the second level of the hierarchical structure,

wherein the received video content was uploaded to a Web-based content management system by a content provider device associated with the video content provider via the Internet in a digital video format, along with associated metadata including title information and category information, and along with an associated plurality of images designated by the video content provider, the associated metadata specifying a respective hierarchical location of a respective title of the video content within the electronic program guide to be displayed on the Internet-connected digital device using the respective hierarchically-arranged category information associated with the respective title,

wherein at least one of the uploaded associated plurality of images designated by the video content provider is displayed with the associated respective title in the templated video-on-demand display.

The prior art do not disclose or render obvious the amended features.

Furthermore, claim 1 recites a method claim for providing a VOD delivery platform which services multiple users. Thus, the claim is directed to a process, which is one of the statutory categories of invention.

Next, the claim recites the VOD content provider, web-based content management server. The network also receives uploaded content with metadata associated to the content for service to users in a VOD demand platform. Users will select content, from the VOD server, which will be played back from a tuner on the user equipment. The data will be organized with categories and subcategories in a hierarchical structure to solve the problem of a user having to sift through thousands of

Art Unit: 2426

titles in order to find a program of interest. The claim does not recite a basic concept that is similar to any abstract idea previously identified by the courts. For example, the claim does not recite any mathematical concept, a mental process such as comparing or categorizing information that can be performed in the human mind, or by a human using a pen and paper. Accordingly, the claim does not set forth or describe an abstract idea. Instead, the claimed method is necessarily rooted in video streaming technology to overcome a problem specifically arising in Video On Demand services that host large amounts of content.

Claim 2-17 are allowable as being dependent from allowable independent claim 1.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Inquiries

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MUSHFIKH ALAM whose telephone number is (571)270-1710. The examiner can normally be reached on Mon-Fri: 8:30-18:00 EST.

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, Nasser Goodarzi can be reached on (571)272-4195. The fax phone 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.

/MUSHFIKH ALAM/
Primary Examiner, Art Unit 2426
6/22/2018

<i>Applicant-Initiated Interview Summary</i>	Application No. 15/192,598	Applicant(s) PEREZ, MILTON DIAZ	
	Examiner MUSHFIKH ALAM	Art Unit 2426	

All participants (applicant, applicant's representative, PTO personnel):

- (1) MUSHFIKH ALAM. (3)_____.
- (2) Charles Macedo. (4)_____.

Date of Interview: 21 June 2018.

Type: Telephonic Video Conference
 Personal [copy given to: applicant applicant's representative]

Exhibit shown or demonstration conducted: Yes No.
If Yes, brief description: _____.

Issues Discussed 101 112 102 103 Others
(For each of the checked box(es) above, please describe below the issue and detailed description of the discussion)

Claim(s) discussed: 1.

Identification of prior art discussed: n/a.

Substance of Interview

(For each issue discussed, provide a detailed description and indicate if agreement was reached. Some topics may include: identification or clarification of a reference or a portion thereof, claim interpretation, proposed amendments, arguments of any applied references etc...)

Applicant requested the Examiner to perform an Examiner Amendment to fix an antecedent issue. Examiner submits a Corrected Notice of Allowance.

Applicant recordation instructions: The formal written reply to the last Office action must include the substance of the interview. (See MPEP section 713.04). If a reply to the last Office action has already been filed, applicant is given a non-extendable period of the longer of one month or thirty days from this interview date, or the mailing date of this interview summary form, whichever is later, to file a statement of the substance of the interview

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

Attachment

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews

Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor : Milton Diaz Perez
Patent No. : 10,028,026
Issued : July 17, 2018
Serial No. : 15/192,598
For: : SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM
CONTENT ON TV SERVICES PLATFORM OF A DIGITAL TV
SERVICES PROVIDER

COMMUNICATION TO REQUEST CERTIFICATE OF CORRECTION

Commissioner for Patents
Office of Data Management
P.O. Box 1450
Alexandria, VA 22313-1450

Attention: Certificates of Correction Branch

Sir (Madam):

This Communication is submitted pursuant to 35 U.S.C. §254 and 37 C.F.R. §1.322.

A Certificate of Correction is requested to correct a typographical error made by the U.S.

Patent and Trademark Office in Claim 1 of the patent.

The error is as follows:

Lines 28 of Claim 1 of the patent reads “wherein the ternplatized video-on-demand display has” The word “ternplatized” should be changed to “templatized.” Applicant’s Amendment of January 12, 2018 in addition to the Examiner’s Notices of Allowance of March 13, 2018 and June 29, 2018, all correctly include the word “templatized” in Claim 1.

A Certificate of Correction Form PTO/SB/44 is attached hereto.

As the error is the result of a mistake by the Patent and Trademark Office, no fee is due.

690453.1

Inventors: Diaz Perez
Serial No.: 15/192,598
Patent No.: 10,028,026
Issued: July 17, 2018
Page 2

However, if any fee is required, the Patent Office is authorized to charge the amount of any such fee to Deposit Account No. 01-1785. Overpayments may be credited to Deposit Account No. 01-1785.

Respectfully submitted,

AMSTER, ROTHSTEIN & EBENSTEIN LLP
Attorneys for Applicant
90 Park Avenue
New York, New York 10016
(212) 336-8000

Dated: October 26, 2018
New York, New York

By /Tzvi Hirshaut/
Tzvi Hirshaut, Reg. No. 38,732

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**Page 1 of 1

PATENT NO. : 10,028,026

APPLICATION NO.: 15/192,598

ISSUE DATE : July 17, 2018

INVENTOR(S) : Milton Diaz Perez

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the Claims

Line 28 of Claim 1, please replace "wherein the templatized video-on-demand display has" with:

-- wherein the templatized video-on-demand display has --

MAILING ADDRESS OF SENDER (Please do not use Customer Number below):

Tzvi Hirshaut, Reg. No. 38,732
Amster, Rothstein & Ebenstein LLP
90 Park Avenue, New York, NY 10016

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. 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 1.0 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: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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.
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 inspection 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:	34130740
Application Number:	15192598
International Application Number:	
Confirmation Number:	1328
Title of Invention:	SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM CONTENT ON TV SERVICES PLATFORM OF A DIGITAL TV SERVICES PROVIDER
First Named Inventor/Applicant Name:	Milton Diaz Perez
Customer Number:	1912
Filer:	Tzvi Hirshaut/Victoria Gilmore
Filer Authorized By:	Tzvi Hirshaut
Attorney Docket Number:	BBiTV-CIP1-D9 (07612/58)
Receipt Date:	26-OCT-2018
Filing Date:	24-JUN-2016
Time Stamp:	15:30:58
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	Request for Certificate of Correction	1- Communication_to_Request_C ertificate_of_Correction.pdf	69198 f3e2c923cff6f1391f4e28ec8f0b0905f9d90c 90	no	2

Warnings:

Information:					
2	Request for Certificate of Correction	2-CertificateofCorrection.pdf	163815	no	2
			c4fc8f40581d22258e6008647b643587b0d07a98		
Warnings:					
Information:					
Total Files Size (in bytes):				233013	
<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>					

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 10,028,026 B2
APPLICATION NO. : 15/192598
DATED : July 17, 2018
INVENTOR(S) : Milton Diaz Perez

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the Claims

Column 22, Line 28 of Claim 1, please replace:

“wherein the templatized video-on-demand display has”

With:

-- wherein the templatized video-on-demand display has --

Signed and Sealed this
Fourth Day of December, 2018



Andrei Iancu
Director of the United States Patent and Trademark Office

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor : Milton Diaz Perez
Patent No. : 10,028,026
Issued : July 17, 2018
Serial No. : 15/192,598
For: : SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM
CONTENT ON TV SERVICES PLATFORM OF A DIGITAL TV
SERVICES PROVIDER

COMMUNICATION TO REQUEST CERTIFICATE OF CORRECTION

Commissioner for Patents
Office of Data Management
P.O. Box 1450
Alexandria, VA 22313-1450

Attention: Certificates of Correction Branch

Sir (Madam):

This Communication is submitted pursuant to 35 U.S.C. §254 and 37 C.F.R. §1.322.

A Certificate of Correction is requested to correct typographical errors in Claim 1 of the patent.

The errors are as follows:

Line 31 of Claim 1 of the patent reads “metadata and the associated plurality of images to be.” The word “the” should be changed to “an.” Line 37 of Claim 1 of the patent reads “hierarchal structure of the video-on-demand content.” The word “the” should be changed to “a.” Line 53 of Claim 1 of the patent reads “and category information, and along with an associated.” The word “an” should be changed to “the.”

A Certificate of Correction Form PTO/SB/44 is attached hereto.

As the error is not the result of a mistake by the U.S Patent and Trademark Office, a fee

Inventors: Diaz Perez
Serial No.: 15/129,598
Patent No.: 10,028,026
Issued: July 17, 2018
Page 2

is required. The Patent Office is authorized to charge the amount of any such fee to Deposit Account No. 01-1785. Overpayments may be credited to Deposit Account No. 01-1785.

Respectfully submitted,

AMSTER, ROTHSTEIN & EBENSTEIN LLP
Attorneys for Applicant
90 Park Avenue
New York, New York 10016
(212) 336-8000

Dated: January 9, 2019
New York, New York

By Keith J. Barkaus/
Keith J. Barkaus, Reg. No. 51,431

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**Page 1 of 1

PATENT NO. : 10,028,026
APPLICATION NO.: 15/129,598
ISSUE DATE : July 17, 2018
INVENTOR(S) : Milton Diaz Perez

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the Claims

Line 31 of Claim 1, please replace "metadata and the associated plurality of images to be" with:

-- metadata and an associated plurality of images to be --

Line 37 of Claim 1, please replace "hierarchal structure of the video-on-demand content." with:

-- hierarchal structure of a video-on-demand content. --

Line 53 of Claim 1, please replace "and category information, and along with an associated" with:

-- and category information, and along with the associated --

MAILING ADDRESS OF SENDER (Please do not use Customer Number below):

Keith J. Barkaus, Reg. No. 51,431
Amster, Rothstein & Ebenstein LLP
90 Park Avenue, New York, NY 10016

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. 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 1.0 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: **Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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 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.
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 inspection 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:	15192598			
Filing Date:	24-Jun-2016			
Title of Invention:	SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM CONTENT ON TV SERVICES PLATFORM OF A DIGITAL TV SERVICES PROVIDER			
First Named Inventor/Applicant Name:	Milton Diaz Perez			
Filer:	Keith J. Barkaus/Victoria Gilmore			
Attorney Docket Number:	BBiTV-CIP1-D9 (07612/58)			
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:				
CERTIFICATE OF CORRECTION	2811	1	150	150

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				150

Electronic Acknowledgement Receipt

EFS ID:	34807803
Application Number:	15192598
International Application Number:	
Confirmation Number:	1328
Title of Invention:	SYSTEM FOR ADDRESSING ON-DEMAND TV PROGRAM CONTENT ON TV SERVICES PLATFORM OF A DIGITAL TV SERVICES PROVIDER
First Named Inventor/Applicant Name:	Milton Diaz Perez
Customer Number:	1912
Filer:	Keith J. Barkaus/Victoria Gilmore
Filer Authorized By:	Keith J. Barkaus
Attorney Docket Number:	BBiTV-CIP1-D9 (07612/58)
Receipt Date:	09-JAN-2019
Filing Date:	24-JUN-2016
Time Stamp:	15:55:27
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	\$150
RAM confirmation Number	011019INTEFSW00002562011785
Deposit Account	
Authorized User	

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

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Request for Certificate of Correction	1-Request.pdf	109335	no	2
			356954996aac30c5de261d51154fe1ff493cc929		

Warnings:**Information:**

2	Request for Certificate of Correction	2-COC.pdf	151813	no	2
			702760a0dc3bfb929071d3856d4b3680e3cdaf44		

Warnings:**Information:**

3	Fee Worksheet (SB06)	fee-info.pdf	30497	no	2
			6222b7764eeb8ea4d9046780c085f345f2263222		

Warnings:**Information:****Total Files Size (in bytes):**

291645

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New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 10,028,026 B2
APPLICATION NO. : 15/192598
DATED : July 17, 2018
INVENTOR(S) : Milton Diaz Perez

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the Claims

Column 22, Line 41 Claim 1, please replace “metadata and the associated plurality of images to be”
with: -- metadata and an associated plurality of images to be --

Column 22, Line 47 Claim 1, please replace “hierarchal structure of the video-on-demand content.”
with: -- hierarchal structure of a video-on-demand content. --

Column 22, Line 63 Claim 1, please replace “and category information, and along with an associated”
with: -- and category information, and along with the associated --

Signed and Sealed this
Twelfth Day of February, 2019



Andrei Iancu
Director of the United States Patent and Trademark Office