(19) World Intellectual Property Organization

International Bureau





(10) International Publication Number

(43) International Publication Date

- 22 September 2005 (22.09.2005)
- (51) International Patent Classification: H04N 7/025 (2006.01) H04N 7/10 (2006.01)
- (21) International Application Number:

PCT/US2005/007777

- (22) International Filing Date: 9 March 2005 (09.03.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:

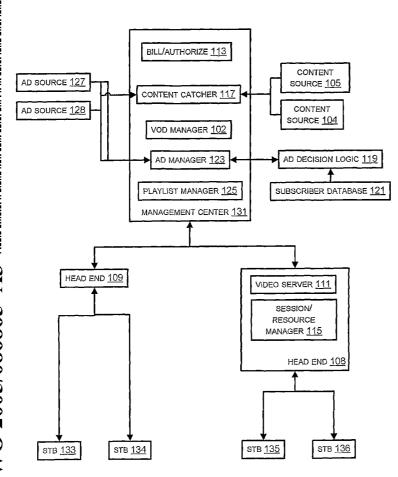
60/552,060 9 March 2004 (09.03.2004) US

- (71) Applicants and
- (72) Inventors: SCHILLER, Jay, B. [US/US]; 1294 S. Vine Street, Denver, CO 80210 (US). HALVERSON, Christopher, Ronald [US/US]; 21036 NW Galice Lane, Portland, OR 97229 (US).
- (71) Applicants and
- (72) Inventors (for all designated States except US): POOLE, Andrew, J., B. [US/US]; 322 South Taft Court, Louisville, CO 80027 (US). MATARESE, Joseph, R. [US/US]; 2830 NW Westover Road, Portland, OR 97210 (US).

- WO 2005/086865 A3
- (74) Agent: KULBASKI, James, J.; Oblon, Spivak, McClelland, Maier & Neustadt, P.C., 1940 Duke Street, Alexandria, VA 22314 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,

[Continued on next page]

(54) Title: DIGITAL AD INSERTION FOR VIDEO-ON-DEMAND



(57) Abstract: A method including identifying one or more ad break points within digital video and/or audio content, selecting ad content to provide with the video and/or audio content, and generating a playlist referencing the ad content at the one or more ad break points.

WO 2005/086865 A3



SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(88) Date of publication of the international search report: 8 June 2006

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US05/07777

		1 2 2 7 0 0 0 0 5 7 0	
A. CLASSIFICATION OF SUBJECT MATTER			
IPC(8) : H04N 7/025, 7/10 US CL : 725/32			
According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols)			
U.S.: 725/32, 87			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where ap		Relevant to claim No.
X	US 2002/0083439 A1 (ELDERING) 27 June 2002 (27.06.2002), paragraphs 28-83.	1-7, 9-20, 22-39
 Y			8 and 21
•			
Y	US 2002/0069404 A1 (COPEMAN et al) 06 June 20	02 (06.06.2002), paragraphs 41-42	2. 8 and 21
			;
'			
			·
Further documents are listed in the continuation of Box C. See patent family annex.			
* Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the same of the conflict with the application but cited to understand the same of the conflict with the application but cited to understand the same of the conflict with the application but cited to understand the same of the conflict with the application but cited to understand the conflict with the application but cited to understand the conflict with the application but cited to understand the conflict with the application but cited to understand the conflict with the application but cited to understand the conflict with the application but cited to understand the conflict with the application but cited to understand the conflict with the application but cited to understand the conflict with the application but cited to understand the conflict with the application but cited to understand the conflict with the application but cited to understand the conflict with the application but cited to understand the conflict with the application but cited to understand the conflict with the application but cited to understand the conflict with the application but cited to understand the conflict with the application but cited to understand the conflict with the co			
	defining the general state of the art which is not considered to be of	principle or theory underlying	
particular relevance "X" document of particular relevance; the claimed invention cannot be			
"E" earlierap	oplication or patent published on or after the international filing date	when the document is taken alo	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		"Y" document of particular relevance; the claimed invention cannot be	
specified)		considered to involve an inven	tive step when the document is combined ocuments, such combination being
"O" documen	t referring to an oral disclosure, use, exhibition or other means	obvious to a person skilled in t	
	t published prior to the international filing date but later than the	"&" document member of the same	e patent family
priority date claimed			
Date of the actual completion of the international search Date of mailing of the international search Date of mailing of the international search			
09 February 2006 (09.02.2006)			
l .	ailing address of the ISA/US	Authorized officer	1/1
Mail Stop PCT, Attn: ISA/US Commissioner for Patents		John Miller John	
P.C	D. Box 1450	Telephone No. (571) 272-7302	
Alexandria, Virginia 22313-1450 Telephone No. (571) 272-7302 Facsimile No. (571) 273-3201			

Form PCT/ISA/210 (second sheet) (April 2005)