(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 25 January 2007 (25.01.2007)

PCT

(10) International Publication Number WO 2007/011683 A3

(51) International Patent Classification: *G11B 27/00* (2006.01)

(21) International Application Number:

PCT/US2006/027289

(22) International Filing Date: 14 July 2006 (14.07.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/699,264

14 July 2005 (14.07.2005) US

- (71) Applicant (for all designated States except US): THOM-SON LICENSING [FR/FR]; 46, Quai A. Le Gallo, F-92100 Boulogne-Billancourt, France, F-92100 France (FR).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): BENITEZ, Ana, Belen [ES/US]; 431 S. Burnside Ave, #10G, Los Angeles, CA 90036 (US). BOX, Thomas, Chandler [US/US]; 28719 Conejo View Dr., Agoura Hills, CA 91301 (US).
- (74) Agents: LAKS, Joseph J. et al.; Two Independence Way., Suite #200, Princeton, NJ 08540 (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, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

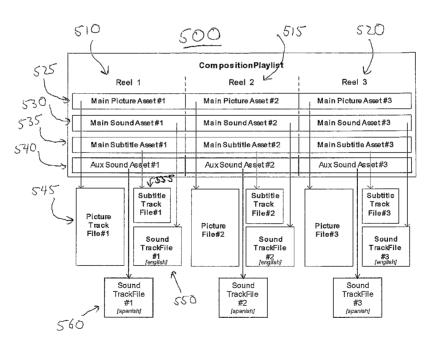
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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
- (88) Date of publication of the international search report: 8 March 2007

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR PROVIDING AN AUXILIARY MEDIA IN A DIGITAL CINEMA COMPOSITION PLAYLIST



(57) Abstract: The embodiments of the present invention are directed towards creating, packaging, distributing, and reproducing auxiliary media tracks (545-560), such as a second language audio track, within a digital mastering and distribution system (100, 200, 400) for motion pictures, such as that used in Digital Cinema. The invention appends data structures and elements (540, 560) to the current existing management structure (500) for representing digital cinema presentations maintaining complete interoperability and causing minimal impact to the existing structure (500) while providing an enhanced service and experience to movie audience.





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/US2006/027289 A. CLASSIFICATION OF SUBJECT MATTER INV. G11B27/00 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) G11B 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 practical, search terms used) EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X US 2004/220926 A1 (LAMKIN ALLAN B [US] ET 1,2,5-9,AL) 4 November 2004 (2004-11-04) 11-14,16.17 paragraphs [0099], [0117], [0147], [0148], [0175], [0326], [0536] -[0559]; claims 1-47; figures 1-29 χ WO 2004/075601 A (1 LTD [GB]; HOOLEY 1,2 ANTHONY [GB]; LENEL URSULA RUTH [GB]; GOUDIE ANGUS) 2 September 2004 (2004-09-02) page 1 page 7, paragraph 2 - page 12, paragraph 2 page 21, paragraph 2 - page 24, paragraph X 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 principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to filing date *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) involve an inventive step when the document is taken alone "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. document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 9 January 2007 25/01/2007 Name and mailing address of the ISA/ Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

Durucan, Emrullah

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2006/027289

tion). DOCUMENTS CONSIDERED TO BE RELEVANT	<u></u>
Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
DE 199 36 720 A1 (UFA THEATER GMBH & CO KG [DE]) 15 February 2001 (2001-02-15) the whole document	1-19
EP 1 608 165 A (MATSUSHITA ELECTRIC IND CO LTD [JP]) 21 December 2005 (2005-12-21)	1,2,5-9, 11-14, 16,17
paragraphs [0020] - [0025], [0027], [0233] - [0259]; claims 8,17,18; figures 1-48	10,17
EP 1 736 990 A (TOKYO SHIBAURA ELECTRIC CO [JP]) 27 December 2006 (2006-12-27)	1,2,5-9, 11-14, 16,17
paragraphs [0002], [0017], [0136] - [0192], [0228] - [0317], ·[0344], [0354]; figures 1-22	10,17
	DE 199 36 720 A1 (UFA THEATER GMBH & CO KG [DE]) 15 February 2001 (2001-02-15) the whole document EP 1 608 165 A (MATSUSHITA ELECTRIC IND CO LTD [JP]) 21 December 2005 (2005-12-21) paragraphs [0020] - [0025], [0027], [0233] - [0259]; claims 8,17,18; figures 1-48 EP 1 736 990 A (TOKYO SHIBAURA ELECTRIC CO [JP]) 27 December 2006 (2006-12-27) paragraphs [0002], [0017], [0136] - [0192], [0228] - [0317], [0344],

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/US2006/027289

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 2004220926	A1	04-11-2004	NON	E	
WO 2004075601	Α	02-09-2004	CN EP JP KR US	1754403 A 1600035 A1 2006518956 T 20050101571 A 2006204022 A1	29-03-2006 30-11-2005 17-08-2006 24-10-2005 14-09-2006
DE 19936720	A1	15-02-2001	AT AU WO EP	287179 T 7272500 A 0111884 A1 1206879 A1	15-01-2005 05-03-2001 15-02-2001 22-05-2002
EP 1608165	Α	21-12-2005	CA CN WO KR MX	2512058 A1 1745579 A 2004068854 A1 20050104361 A PA05007922 A	12-08-2004 08-03-2006 12-08-2004 02-11-2005 30-09-2005
EP 1736990	Α	27-12-2006	NON	E	