PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 : G11B 27/32, 20/12, 27/10

A1

(11) International Publication Number: WO 00/14743

(43) International Publication Date: 16 March 2000 (16.03.00)

(21) International Application Number: PCT/EP99/06254

(22) International Filing Date: 26 August 1999 (26.08.99)

(30) Priority Data:

98250315.3	7 September 1998 (07.09.98)	EP
98250387.2	4 November 1998 (04.11.98)	EP

(71) Applicant *(for all designated States except US)*: DEUTSCHE THOMSON–BRANDT GMBH [DE/DE]; Hermann–Schwer–Strasse 3, D–78048 Villingen–Schwenningen (DE).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: SCHILLER, Harald [DE/DE]; Apfelgarten 11, D–30539 Hannover (DE). KEESEN, Heinz–Werner [DE/DE]; Siemensstrasse 22, D–30173 Hannover (DE). WINTER, Marco [DE/DE]; Böhmerstrasse 17, D–30173 Hannover (DE).

(74) Agent: HARTNACK, Wolfgang; Deutsche Thomson–Brandt GmbH, Licensing & Intellectual Property, Karl–Wiechert–Allee 74, D–30625 Hannover (DE).

(81) Designated States: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, RO, RU, SD, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published

With international search report.

(54) Title: METHOD FOR ADDRESSING A BITSTREAM RECORDING

(57) Abstract

In bitstream recording presentation data is organised into Video Object Units. These have a variable size but have also a variable duration. To allow access to any Video Object Unit in the bitstream a housekeeping address table is used which is based on pieces (VOBU#n) of the bitstream of constant size per piece. The address table additionally contains for each of these pieces a specific delta duration (ΔDUR#n) which indicates the time difference between the arrival time of the first packet of a piece and the arrival time of the packet following immediately the last packet of that piece. The computation of the target VOBU address includes the following steps: accumulate the delta durations until the given time value is most closely reached towards the target VOBU; the running index of this table entry multiplied by the constant piece size directly results in the address value to be accessed.

