SG 9705284-9

Rtmp copy

PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : H04N 7/50 — A1

(11) International Publication Number: WO 97/00579

(43) International Publication Date: 3 January 1997 (03.01.97)

(21) International Application Number: PCT/US96/07391

(22) International Filing Date: 23 May 1996 (23.05.96)

(30) Priority Data:
9512068.9 14 June 1995 (14.06.95) GB

(71) Applicant *(for all designated States except US)*: THOMSON CONSUMER ELECTRONICS, INC. [US/US]; 10330 North Meridian Street, Indianapolis, IN 46290-1024 (US).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: BLATTER, Harold [US/US]; 2220 Brewster Road, Indianapolis, IN 46260 (US). BEYERS, William, Wesley, Jr. [US/US]; 6920 Woodcrest Drive, Greenfield, IN 46140 (US). DIESS, Michael, Scott [US/US]; 1103 Indian Pipe Lane, Zionsville, IN 46077 (US).

(74) Agents: TRIPOLI, Joseph, S. et al.; GE & RCA Licensing Management Operation, Inc., CN 5312, Princeton, NJ 08540 (US).

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

Published
With international search report.

① PCT Appn. & SR
② IPER + Annexes

(54) Title: SIMPLE BUS AND INTERFACE SYSTEM FOR CONSUMER DIGITAL EQUIPMENT

(57) Abstract

A system for generating a signal for coupling digital audio, video and data signals in compressed form via a bus. A processing means formats the digital audio, video and data signals into superpackets for transmission via the bus. Each superpacket comprises a timestamp, and a transport packet, representative of the digital audio, video and data signals. The superpackets have a fixed duration and occur at variable intervals. Devices receive the superpacket signal and may utilize the timestamps for clock synchronization. A recording and replay device processes the variable superpacket signal occurrence for recording. Reproduced timestamps are utilized to control restoration of the superpacket signal to have substantially the duration and occurrence as when formatted for bus transmission. A simplified bus couples superpackets between devices. An indicia is added to a superpacket signal to provide automatic control of device bus interfaces. The automated interface control is also responsive to device control status.

