

Title (en)
DATA PROCESSOR FOR ASSEMBLING TRANSPORT DATA PACKETS

Title (de)
DATENPROZESSOR ZUR ZUSAMMENSTELLUNG VON TRANSPORTDATENPAKETEN

Title (fr)
PROCESSEUR DE DONNEES DESTINE A ASSEMBLER DES PAQUETS DE TRANSPORT DE DONNEES

Publication
EP 0732032 A4 19981230 (EN)

Application
EP 94905919 A 19931130

Priority
US 9311583 W 19931130

Abstract (en)
[origin: WO9515650A1] In a digital television signal processing system, a special codeword, a Packet Alignment Flag (PAF) (14), is inserted into an MPEG codeword bitstream to signify the presence of a Group of Pictures (GOP). The PAF immediately precedes a Picture Start codeword for an "I" frame, which initiates a GOP. A data packet (12) under construction when a PAF (14) appears is terminated since a GOP is intended to begin at a packet boundary. Such termination may result in an abbreviated packet of less than a prescribed number of codewords needed to complete a data packet. The last word of each packet is designated as such to facilitate the subsequent combining of data packets (12) with respective headers (18). An incomplete data packet is filled with null (zeroed bits) words to make up a complete data packet with a prescribed number of words.

IPC 1-7
H04N 7/64; **H04N 11/24**; **H04N 7/015**

IPC 8 full level
H04N 11/04 (2006.01); **H04L 47/43** (2022.01); **H04N 7/08** (2006.01); **H04N 7/081** (2006.01); **H04N 19/00** (2014.01)

CPC (source: EP KR)
H04N 19/00 (2013.01 - EP); **H04N 19/61** (2014.11 - EP); **H04N 21/234** (2013.01 - KR); **H04N 19/70** (2014.11 - EP)

Citation (search report)

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- [X] WO 9113516 A2 19910905 - ALCATEL BELL SDT SA [BE]
- [X] MASAHIRO WADA ET AL: "STRUCTURE PACKING OF CODED VIDEO SIGNALS FOR ATM NETWORKS", ELECTRONICS & COMMUNICATIONS IN JAPAN, PART I - COMMUNICATIONS, vol. 75, no. 5, 1 May 1992 (1992-05-01), pages 23 - 33, XP000311465
- [A] JOSEPH K ET AL: "MPEG++: A ROBUST COMPRESSION AND TRANSPORT SYSTEM FOR DIGITAL HDTV", SIGNAL PROCESSING. IMAGE COMMUNICATION, vol. 4, no. 4 / 05, 1 August 1992 (1992-08-01), pages 307 - 323, XP000293751
- See references of WO 9515650A1

Designated contracting state (EPC)
DE ES FR GB IT PT

DOCDB simple family (publication)
WO 9515650 A1 19950608; AU 5983794 A 19950619; CN 1099808 C 20030122; CN 1111876 A 19951115; CN 1196331 C 20050406; CN 1434634 A 20030806; EP 0732032 A1 19960918; EP 0732032 A4 19981230; JP 4357594 B2 20091104; JP H09507975 A 19970812; KR 100327684 B1 20020727; KR 960706751 A 19961209; MY 118734 A 20050131; MY 166757 A 20180720; TW 243578 B 19950321

DOCDB simple family (application)
US 9311583 W 19931130; AU 5983794 A 19931130; CN 02120437 A 19941129; CN 94112954 A 19941129; EP 94905919 A 19931130; JP 51556895 A 19931130; KR 19960702952 A 19960530; MY PI20021820 A 19941128; MY PI9403161 A 19941128; TW 83108027 A 19940831