

Title (en)

METHOD FOR INSERTING SYNCHRONIZATION MARKS IN A VIDEO STREAM, COMPATIBLE WITH BLOCK ENCRYPTION

Title (de)

VERFAHREN ZUM EINFÜGEN VON SYNCHRONISATIONS-MARKIERUNGEN IN EINEN VIDEOSTROM, DAS MIT BLOCK-VERSCHLÜSSELUNG KOMPATIBEL IST

Title (fr)

METHODE D'INSERTION DE MARQUES DE SYNCHRONISATION DANS UN FLUX VIDEO, COMPATIBLE AVEC UN CHIFFRAGE PAR BLOCS

Publication

EP 1645128 A2 20060412 (FR)

Application

EP 04767623 A 20040708

Priority

- FR 2004001791 W 20040708
- FR 0308639 A 20030716

Abstract (en)

[origin: FR2857813A1] The method involves encrypting bit by bit, a part of compressed data flow e.g. video flow, by block encryption algorithm. The bits of the compressed data flow, to be encrypted are stored in a buffer having a preset size. A timing mark is inserted in the compressed data flow only after the number of encrypted bits has reached or exceeded the number of bits of encryption block, or only after the buffer has filled. Independent claims are also included for the following: (a) a compressed and encrypted data flow obtained by a method of inserting a timing mark in the compressed and encrypted data flow (b) a coder or decoder of formatted and compressed audio or video data (c) a computer readable medium on which a program code implementing operations of a method of inserting a timing mark on a compressed and encrypted data flow, is recorded to permit the computer to broadcast the compressed and encrypted data flow.

IPC 1-7

H04N 7/167

IPC 8 full level

H04N 7/167 (2011.01); **H04N 7/52** (2011.01)

CPC (source: EP US)

H04N 7/1675 (2013.01 - EP US); **H04N 21/23614** (2013.01 - EP US); **H04N 21/23897** (2013.01 - EP US); **H04N 21/4348** (2013.01 - EP US); **H04N 21/8455** (2013.01 - EP US)

Citation (search report)

See references of WO 2005009047A2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

FR 2857813 A1 20050121; EP 1645128 A2 20060412; US 2006182275 A1 20060817; US 7787624 B2 20100831; WO 2005009047 A2 20050127; WO 2005009047 A3 20050602

DOCDB simple family (application)

FR 0308639 A 20030716; EP 04767623 A 20040708; FR 2004001791 W 20040708; US 33157906 A 20060113