Title (en)

METHOD AND DEVICE FOR CONVERTING VIRTUALLY CONCATENATED DATA STREAMS INTO CONTIGUOUSLY CONCATENATED DATA STREAMS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM UMWANDELN VIRTUELL VERKETTETER DATENSTRÖME IN KONTINGENT VERKETTETE

Title (fr)

PROCEDE ET DISPOSITIF POUR CONVERTIR DES FLUX DE DONNEES VIRTUELLEMENT ENCHAINES EN FLUX DE DONNEES CONTINUELLEMENT ENCHAINES

Publication

EP 1186129 A1 20020313 (DE)

Application

EP 00926525 A 20000515

Priority

- AT 0000132 W 20000515
- AT 103499 A 19990610

Abstract (en)

[origin: WO0077960A1] The invention relates to a method and to a device for converting virtually concatenated data streams into contiguously concatenated data streams. The data are transmitted in containers and N containers are combined in one multiframe. The virtually concatenated data streams consist of X partial streams/channels. Every container that is allocated to the same location in the multiframe is identified by evaluating a multiframe indicator of the container. The time-shift of said identified containers of the partial data streams with respect to one another is measured. If such a time-shift is detected, only the leading containers are delayed in such a manner that a time-wise alignment of all containers is achieved. Every channel (KA1, KA2,...) is correlated with a pointer interpreter (PI1, PI2), followed by an flexible memory (ES1, ES2) and a pointer generator (PG1, PG2). The pointer generators are inter-synchronized and every pointer generator is equipped to control the read-out of the flexible memory that pertains to its channel. A channel that is selected as the master channel (KA1) is provided with an overhead inserter (OI1).

IPC 1-7

H04J 3/16; H04J 3/06

IPC 8 full level

H04J 3/06 (2006.01); **H04J 3/16** (2006.01); H04Q 11/04 (2006.01)

CPC (source: EP US)

H04J 3/0623 (2013.01 - EP US); **H04J 3/1611** (2013.01 - EP US); H04J 2203/0094 (2013.01 - EP US); H04J 2203/0096 (2013.01 - EP US)

Citation (search report)

See references of WO 0077960A1

Designated contracting state (EPC)

AT CH DE FR GB IT LI

DOCDB simple family (publication)

WO 0077960 A1 20001221; AT 407319 B 20010226; AT A103499 A 20000615; AU 4522900 A 20010102; AU 772296 B2 20040422; BR 0012114 A 20020521; CN 1354927 A 20020619; EP 1186129 A1 20020313; US 2002080812 A1 20020627; US 6842787 B2 20050111

DOCDB simple family (application)

AT 0000132 W 20000515; AT 103499 A 19990610; AU 4522900 A 20000515; BR 0012114 A 20000515; CN 00808588 A 20000515; EP 00926525 A 20000515; US 1639901 A 20011210