

Title (en)

SIGNAL CODING AND DECODING SYSTEM, PARTICULARLY FOR A DIGITAL AUDIO SIGNAL

Title (de)

SYSTEM ZUR KODIERUNG UND DEKODIERUNG EINES SIGNALS, INSBESONDERE EINES DIGITALEN AUDIOSIGNALS

Title (fr)

SYSTEME DE CODAGE ET SYSTEME DE DECODAGE D'UN SIGNAL, NOTAMMENT D'UN SIGNAL AUDIONUMERIQUE

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Application

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Abstract (en)

[origin: FR2747225A1] A coding system for a signal to be coded, of a type that delivers a global flow consisting of a primary flow corresponding to the so-called primary coding of an incoming flow, and of a secondary flow corresponding to a secondary coding is disclosed, wherein the coding delay of the primary coding is shorter than that of the secondary coding. The invention is characterised in that it includes a filter bank (10) for receiving said incoming flow (FE) to be coded and for generating signals in different sub-bands respectively, so-called primary coders (20>1< to 20>4<), for coding said sub-band signals respectively and forming primary flows (TP), decoders (40>1< - 40>4<) receiving and decoding the primary flows (TP), subtractors (50>1< - 50>4<), each of which provides to produce the difference between the signals delivered by the filter bank (10) in each sub-band and the signals delivered by the corresponding decoder (50>1< - 50>4<), a so-called secondary coder (70) for coding the signals from the subtractors (50>1< - 50>4<) and generating a secondary flow (TS), and a multiplexer (30) for multiplexing into a single global flow (TG) the primary flows (TP) from the primary coders (20>1< - 20>4<) and the secondary flow (TS) from the secondary coder (70). A multiplexing method used in such a coding and decoding system is also disclosed.

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