

Title (en)
CONCEALMENT OF TRANSMISSION ERROR IN A DIGITAL SIGNAL IN A HIERARCHICAL DECODING STRUCTURE

Title (de)
VERBERGUNG VON ÜBERTRAGUNGSFEHLERN IN EINEM DIGITALSIGNAL IN EINER HIERARCHISCHEN DECODIERUNGSSTRUKTUR

Title (fr)
DISSIMULATION D'ERREUR DE TRANSMISSION DANS UN SIGNAL AUDIONUMERIQUE DANS UNE STRUCTURE DE DECODAGE HIERARCHIQUE

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Application
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Abstract (en)
[origin: WO2009125114A1] The invention relates to a method of concealing a transmission error in a digital signal chopped into a plurality of successive frames associated with different time intervals in which, on reception, the signal is liable to comprise erased frames and valid frames, the valid frames comprising information (inf.) relating to the concealment of frame loss. The method is implemented during a hierarchical decoding using a core decoding and a transform-based decoding using windows with small delay introducing a time delay of less than a frame with respect to the core decoding. To replace at least the last frame erased before a valid frame, the method comprises a step (23) of concealing a first set of missing samples for the erased frame, implemented in a first time interval; a step (25) of concealing a second set of missing samples taking into account information of said valid frame and implemented in a second time interval; and a step (29) of transition between the first and the second set of missing samples to obtain at least part of the missing frame.

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