

Title (en)

PRE-ECHO ATTENUATION IN A DIGITAL AUDIO SIGNAL

Title (de)

VOR-ECHO-DÄMPFUNG IN EINEM DIGITALAUDIOSIGNAL

Title (fr)

ATTENUATION DE PRE-ECHOS DANS UN SIGNAL AUDIONUMERIQUE

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Application

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Abstract (en)

[origin: WO2010031951A1] The invention relates to a method for attenuating pre-echoes in a digital audio signal generated from a transform encoding, wherein the method comprises, upon decoding and for a current frame of said digital audio signal, a step of defining (CONC) a concatenated signal from at least the reconstructed signal of the current frame, a step of dividing (DIV, 301) said concatenated signal into subunits of samples having a predetermined length, a step of calculating (ENV, 302) the time envelope of the concatenated signal, a step of detecting (DETECT, 304) the transition of the time envelope towards a high-energy area, a step of determining (DTECT, 304) the low-energy sub-units preceding a subunit in which a transition has been detected, and an attenuation step (ATT) in said determined subunits. The method is such that the attenuation is carried out according to an attenuation factor calculated for each of the determined subunits, based on the time envelope of the concatenated signal. The invention also relates to a device for implementing said method, and to a decoder including such a device.

IPC 8 full level

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