

Title (en)
DISCRIMINATION AND ATTENUATION OF PRE-ECHOES IN A DIGITAL AUDIO SIGNAL

Title (de)
UNTERSCHIEDUNG UND DÄMPFUNG VON VORECHOS IN EINEM DIGITALEN AUDIOSIGNAL

Title (fr)
DISCRIMINATION ET ATTÉNUATION DE PRÉ-ÉCHOS DANS UN SIGNAL AUDIONUMÉRIQUE

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Abstract (en)
[origin: WO2016038316A1] The invention relates to a method for discriminating and attenuating pre-echo in a digital audio signal and generated from transform coding. Said method comprises the following steps in which: for a current frame broken down into sub-blocks, the low-energy sub-blocks precede a sub-block in which a transition or attack is detected (E601), and determine a pre-echo area (E602) in which a pre-echo attenuation process is carried out (E607). The method is such that, in the event that an attack is detected from the sub-block of the current frame, said method comprises the following steps: calculating (E603) an energy leading coefficient for at least two sub-blocks of the current frame preceding the sub-block in which an attack is detected; comparing (E604) the leading coefficient to a predefined threshold; and inhibiting (E602) the pre-echo attenuation process in the pre-echo area in the event that the calculated leading coefficient is lower than the predefined threshold. The invention also relates to a discrimination and attenuation device implementing the steps from the method described and to a decoder comprising such a device.

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