

Title (en)

METHOD FOR QUALITATIVE EVALUATION OF A DIGITAL AUDIO SIGNAL

Title (de)

VERFAHREN ZUR QUALITATIVEN BEWERTUNG EINES DIGITALEN AUDIOSIGNALS

Title (fr)

PROCEDE D'EVALUATION QUALITATIVE D'UN SIGNAL AUDIO NUMERIQUE.

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Application

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Abstract (en)

[origin: WO03063134A1] The invention relates to a method for qualitative evaluation of a digital audio signal, characterized in that a quality indicator consisting of a vector associated with each time window is calculated in real and continuous time in successive time windows. The generation of said quality indicator vector involves, for example, the following stages for a reference audio signal and an audio signal to be evaluated: calculation of the spectral density of the power of the audio signal or calculation of the coefficients of a prediction filter by means of an autoregressive method, or calculation of the time activity of the signal or calculation of the minimum spectrum in successive blocks of the signal. The method can involve calculation of a distance between the vectors of the reference audio signal and the audio signal to be evaluated which are associated with each time window in order to evaluate the degradation of the audio signal.

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