

Title (en)
PROCESS FOR MEASURING THE FIDELITY OF STEREOPHONIC AUDIO SIGNALS AND PROCESS FOR RECOGNISING STEREOPHONIC AUDIO SIGNALS CODED TOGETHER

Title (de)
VERFAHREN ZUR MESSUNG DER ERHALTUNG STEREOPHONER AUDIOSIGNALE UND VERFAHREN ZUR ERKENNUNG GEMEINSAM CODIERTER STEREOPHONER AUDIOSIGNALE

Title (fr)
PROCEDE DE MESURE DE LA FIDELITE DE SIGNAUX AUDIO STEREOPHONIQUES ET PROCEDE DE RECONNAISSANCE DE SIGNAUX AUDIO STEREOPHONIQUES CODES ENSEMBLE

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Application
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Abstract (en)
[origin: DE4437287A1] In order to measure the fidelity of stereophonic audio signals, a stereophonic signal is used as reference signal (X) and a signal to be tested (X') is created by processing the reference signal (X), for example by coding then decoding the reference signal (X). Both signals (X, X') are transformed into the frequency range in order to create spectral data that are representative of each partial band (i). Signal values (Gi; Gi') for each partial band (i) of both reference signal (X) and signal to be tested (X') are determined from the spectral data of the channels (L, R) of the reference signal or signal to be tested. Conclusions are made about the fidelity of the stereophonic audio signals processed or coded by using a determined processing or coding technique from the comparison of the characteristic values (Gi; Gi') of signals belonging to the same partial band (i).

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