

Title (en)

ADAPTIVE CHANNEL-REDUCTION PROCESSING FOR ENCODING A MULTI-CHANNEL AUDIO SIGNAL

Title (de)

ADAPTIVE KANALREDUKTIONSVERARBEITUNG ZUR CODIERUNG EINES MEHRKANALAUDIOSIGNALS

Title (fr)

TRAITEMENT DE RÉDUCTION DE CANAUX ADAPTATIF POUR LE CODAGE D'UN SIGNAL AUDIO MULTICANAL

Publication

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Application

**EP 16825835 A 20161213**

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- FR 2016053353 W 20161213

Abstract (en)

[origin: WO2017103418A1] The invention relates to a method for parametric encoding of a multi-channel digital audio signal, including a step of encoding (312) a mono signal (M) from channel-reduction processing (307) applied to the multi-channel signal and of encoding spatialisation information (315, 316) of the multi-channel signal. Said method is characterised in that the channel-reduction processing includes the following steps, implemented by a spectral unit of the multi-channel signal: extracting (307a) at least one indicator characterising the channels of the multi-channel digital audio signal; selecting (307b), from a set of channel-reduction processing modes, a channel-reduction processing mode in accordance with the value of the at least one indicator characterising the channels of the multi-channel audio signal. The invention likewise relates to a corresponding encoding device and to a processing method which comprises channel-reduction processing as described.

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