

Title (en)  
ADAPTIVE AUDIO CODEC METHOD AND APPARATUS

Title (de)  
ADAPTIVES AUDIO-CODEC-VERFAHREN UND ENTSPRECHENDE VORRICHTUNG

Title (fr)  
PROCÉDÉ DE CODEC AUDIO ADAPTATIF ET APPAREIL

Publication  
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Application  
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Abstract (en)  
[origin: WO2017196833A1] An encoder includes a low-pass filter to filter input audio signals. The low-pass filter has fixed filter coefficients. The encoder generates quantized signals based on a difference signal. The encoder includes an adaptive quantizer and a decoder to generate feedback signals. The decoder has an inverse quantizer and a predictor. The predictor has fixed control parameters which are based on a frequency response of the low-pass filter. The predictor may include a finite impulse response filter having fixed filter coefficients. The decoder may include an adaptive noise shaping filter coupled between the low-pass filter and the encoder. The adaptive noise shaping filter flattens signals within a frequency spectrum corresponding to a frequency spectrum of the low-pass filter.

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