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(54) Title: ENCODING METHOD AND APPARATUS

(54) 发明名称: 一种编码方法及装置

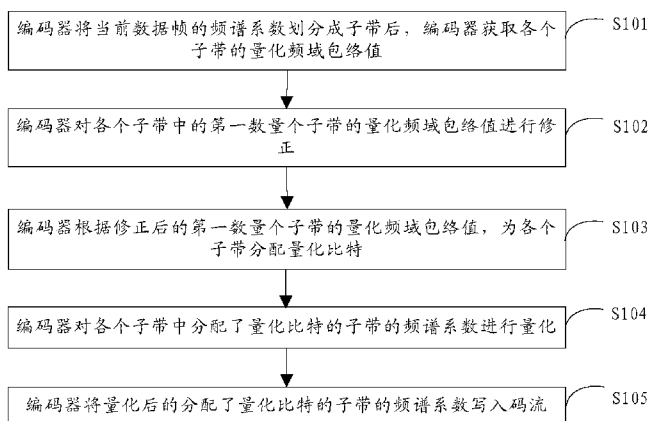


图 1 / FIG.1

S101 An encoder divides spectral coefficients of a current data frame into subbands, and the encoder acquires a quantization frequency domain envelop value of each subband
S102 The encoder modifies quantization frequency domain envelop values of a first quantity of subbands among the subbands
S103 The encoder allocates a quantization bit to each subband according to the modified quantization frequency domain envelop values of the first quantity of subbands
S104 The encoder quantizes a spectral coefficient of a subband to which a quantization bit is allocated among the subbands
S105 The encoder writes, into a code stream, the quantized spectral coefficient of the subband to which the quantization bit is allocated

(57) Abstract: An encoding method and apparatus relate to the field of communications, and can perform proper allocation of quantization bits on spectral coefficients of an audio signal, so as to improve quality of signal from a decoder. The method comprises: dividing spectral coefficients of a current data frame into subbands, and then acquiring a quantization frequency domain envelop value of each subband; modifying quantization frequency domain envelop values of a first quantity of subbands among the subbands; allocating a quantization bit to each subband according to the modified quantization frequency domain envelop values of the first quantity of subbands; quantizing a spectral coefficient of a subband to which a quantization bit is allocated among the subbands; and writing, into a code stream, the quantized spectral coefficient of the subband to which the quantization bit is allocated.

(57) 摘要: 一种编码方法及装置, 涉及通信领域, 能够对音频信号的频谱系数进行合理的量化比特分配, 从而提高解码器解出的信号质量。该方法包括, 将当前数据帧的频谱系数划分成子带后, 获取各个子带的量化频域包络值; 对该各个子带中的第一数量个子带的量化频域包络值进行修正; 根据修正后的该第一数量个子带的量化频域包络值, 为各个子带分配量化比特; 对各个子带中分配了量化比特的子带的频谱系数进行量化; 将量化后的分配了量化比特的子带的频谱系数写入码流。