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— 包括国际检索报告 (条约第 21 条(3))。

(54) Title: PREDICTION METHOD AND CODING/DECODING DEVICE FOR HIGH FREQUENCY BAND SIGNAL

(54) 发明名称: 高频带信号的预测方法、编/解码设备

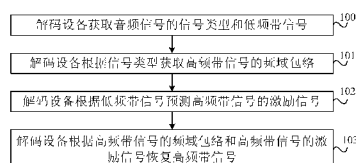


图 3 / FIG.3

100 Acquisition by the decoding device of the signal type of the audio signal and of the low frequency band signal
101 Acquisition by the decoding device of the frequency domain envelope of the high frequency band signal on the basis of the signal type
102 Prediction by the decoding device of the excitation signal of the high frequency band signal on the basis of the low frequency band signal
103 Restoration by the decoding device of the high frequency band signal on the basis of the frequency domain envelope of the high frequency band signal and of the excitation signal of the high frequency band signal

(57) Abstract: A prediction method and a coding/decoding device for a high frequency band signal. The method comprises: acquiring a signal type of an audio signal and a low frequency band signal (100); the audio signal comprises the low frequency band signal and a high frequency band signal; acquiring a frequency domain envelope of the high frequency band signal on the basis of the signal type (101); predicting an excitation signal of the high frequency band signal on the basis of the low frequency band signal (102); and, restoring the high frequency band signal on the basis of the frequency domain envelope of the high frequency band signal and of the excitation signal of the high frequency band signal. The method and device allow for effective reduction in errors found between the high frequency band signal acquired by prediction and an actual high frequency band signal, and increases the accuracy of the predicted high frequency band signal.

(57) 摘要: 一种高频带信号的预测方法、编/解码设备。该方法包括: 获取音频信号的信号类型和低频带信号 (100); 所述音频信号包括低频带信号和高频带信号; 根据所述信号类型获取高频带信号的频域包络 (101); 根据所述低频带信号预测高频带信号的激励信号 (102); 根据所述高频带信号的频域包络和所述高频带信号的激励信号恢复高频带信号 (103)。该方法和设备能够有效地减少预测得到的高频带信号与真实的高频带信号之间存在的误差, 提高预测的高频带信号的准确率。



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