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(54) Title: VOICE FREQUENCY SIGNAL PROCESSING METHOD AND DEVICE

(54) 发明名称: 一种语音频信号处理方法和装置

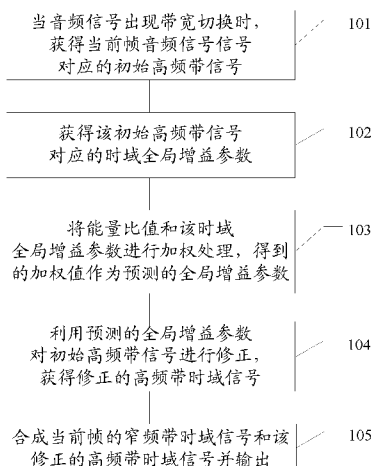


图 1 / Fig. 1

101 When a voice frequency signal switches bandwidth, acquiring an initial high frequency band signal corresponding to the current frame of the voice frequency signal;
102 Acquiring the time domain global gain parameter corresponding to the initial high frequency band signal
103 Weighting an energy ratio and the time domain global gain parameter, and using the obtained weighted value as a predicted global gain parameter
104 Utilizing the predicted global gain parameter to correct the initial high frequency band signal, and acquiring a corrected high frequency band time domain signal
105 Synthesizing a current frame of narrow frequency band time domain signal and the corrected high frequency band time domain signal, and outputting the synthesized result

(57) Abstract: Disclosed in an embodiment of the present invention are a voice frequency signal processing method and device, the voice frequency signal processing method in the embodiment comprising: when a voice frequency signal switches bandwidth, acquiring an initial high frequency band signal corresponding to the current frame of the voice frequency signal; acquiring the time domain global gain parameter of the initial high frequency band signal; weighting an energy ratio and the time domain global gain parameter, and using the obtained weighted value as a predicted global gain parameter, the energy ratio being the ratio between the energy of a historical frame of the high frequency band time domain signal and the energy of the current frame of the initial high frequency band signal; utilizing the predicted global gain parameter to correct the initial high frequency band signal, and acquiring a corrected high frequency band time domain signal; synthesizing a current frame of narrow frequency band time domain signal and the corrected high frequency band time domain signal, and outputting the synthesized result.

(57) 摘要: 本发明实施例公开了一种语音频信号处理方法和装置。一个实施例中, 语音频信号处理方法包括: 当语音频信号出现带宽切换时, 获得当前帧语音频信号对应的初始高频带信号; 获得所述初始高频带信号时域全局增益参数; 将能量比值和所述时域全局增益参数进行加权处理, 得到的加权值作为预测的全局增益参数, 其中, 能量比值为历史帧高频带时域信号能量与当前帧初始高频带信号能量的比值; 利用预测的全局增益参数对所述初始高频带信号进行修正, 获得修正的高频带时域信号; 合成当前帧的窄频带时域信号和所述修正的高频带时域信号并输出。

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本国际公布:

— 包括国际检索报告(条约第 21 条(3))。