

AUDIO SIGNAL PROCESSING METHOD AND APPARATUS, STORAGE MEDIUM, AND COMPUTER PROGRAM PRODUCT

ABSTRACT

An audio signal processing method and apparatus (1100), a storage medium, and a computer program product are provided, and belong to the audio encoding/decoding field. An optimal sub-band division manner is selected from a plurality of sub-band division manners based on a characteristic of an audio signal. In other words, the sub-band division manner has a signal adaptation characteristic, and can adapt to an encoding bit rate of the audio signal, to improve an anti-interference capability. Specifically, the audio signal is divided separately based on the plurality of sub-band division manners, a total scale value corresponding to each sub-band division manner is determined based on spectral values of the audio signal in sub-bands obtained through division, a bandwidth of each sub-band, and the encoding bit rate of the audio signal, and an optimal target sub-band division manner is selected based on the total scale value, to obtain an optimal sub-band set. Subsequently, spectral envelope shaping is performed based on a scale factor of each sub-band in the optimal sub-band set, to improve coding effect and compression efficiency.

(Fig.5)