

ABSTRACT

This application relates to artificial intelligence (AI) technologies, and provides an audio encoding method and apparatus, an audio decoding method and apparatus, a device, and a storage medium. The method includes: performing down-sampling processing on an audio signal to obtain a low-frequency signal of the audio signal; performing low-frequency feature extraction processing on the low-frequency signal to obtain a low-frequency feature of the audio signal; performing high-frequency analysis processing on the audio signal to obtain a high-frequency feature of the audio signal, a feature dimension of the high-frequency feature being lower than a feature dimension of the low-frequency feature; and performing encoding processing on the low-frequency feature to obtain a low-frequency code stream of the audio signal, and performing encoding processing on the high-frequency feature to obtain a high-frequency code stream of the audio signal.

Fig. 6A