Abstract

A signal encoding and decoding method. The method includes: obtaining an audio signal in a mixed format, in which the audio signal in the mixed format comprises at least one format of a channel-based audio signal, an object-based audio signal, and a scene-based audio signal; determining, based on signal characteristics of audio signals in different formats, an encoding mode of the audio signal in each format; and [0009] encoding the audio signal in each format using the encoding mode of the audio signal in each format to obtain encoded signal parameter information of the audio signal in each format, writing the encoded signal parameter information of the audio signal in each format into an encoded stream and sending the encoded stream to a decoding end.

Fig. 1a