CLAIMS

1. A method of determining an encoding mode, the method comprising:

determining a class of a current frame from among a plurality of classes including a music class and a speech class, based on signal characteristics;

obtaining feature parameters including at least two tonalities and a linear prediction error, based on a plurality of frames including the current frame;

determining whether an error occurs in the determined class of the current frame, based on the feature parameters;

when the error occurs in the determined class of the current frame and the determined class of the current frame is the music class, correcting the determined class of the current frame into the speech class; and

when the error occurs in the determined class of the current frame and the determined class of the current frame is the speech class, correcting the determined class of the current frame into the music class.

2. The method of claim 1, wherein the feature parameters further comprise a difference between a voicing parameter and a correlation parameter.

3. The method of claim 1 or 2, wherein a final class of a current frame is determined from classes of a plurality of frames corresponding to a hangover length.

4. An audio encoding method comprising:

determining a class of a current frame from among a plurality of classes including a music class and a speech class, based on signal characteristics;

obtaining feature parameters including a tonality and a linear prediction error, based on a plurality of frames including the current frame;

determining whether an error occurs in the determined class of the current frame, based on the feature parameters;

when the error occurs in the determined class of the current frame and the determined class of the current frame is the music class, correcting the

determined class of the current frame into the speech class;

when the error occurs in the determined class of the current frame and the determined class of the current frame is the speech class, correcting the determined class of the current frame into the music class; and

performing different encoding processes on the current frame based on either the determined class of the current frame or the corrected class of the current frame.