

AUDIO SYSTEM WITH PORTABLE AUDIO ENHANCEMENT DEVICE

ABSTRACT

A portable audio enhancement device is configured for enhancing audio signals, and may be utilized in an audio system. The audio system may include a portable audio source, the audio enhancement device, an audio playback device, and a loudspeaker. The audio enhancement device receives audio signals from the audio source and produces enhanced audio signals. The audio playback device receives the enhanced audio signals and outputs the enhanced audio signals to the loudspeaker for playback. Enhancement of the audio signals may be based on an analysis performed by the audio enhancement device by measuring sample audio signals derived from the sound outputted from the loudspeaker.

Figure 2