An Apparatus for Encoding an Audio Signal having a Plurality of Channels

Abstract

An apparatus for encoding an audio signal having a plurality of channels is provided. The apparatus comprises a downmixer (1010) for downmixing the plurality of channels to obtain a downmix signal. Moreover, the apparatus comprises a residual signal calculator (1020) adapted for calculating a residual signal. Furthermore, the apparatus comprises a phase information calculator (1030) adapted for calculating information on a phase difference between the downmix and the residual signal to obtain phase information. Moreover, the apparatus comprises an output generator (1040) for outputting the phase information.

Figure 10