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(54) **Title:** AUDIO ENCODER AND DECODER FOR ENCODING AND DECODING FRAMES OF SAMPLED AUDIO SIGNAL

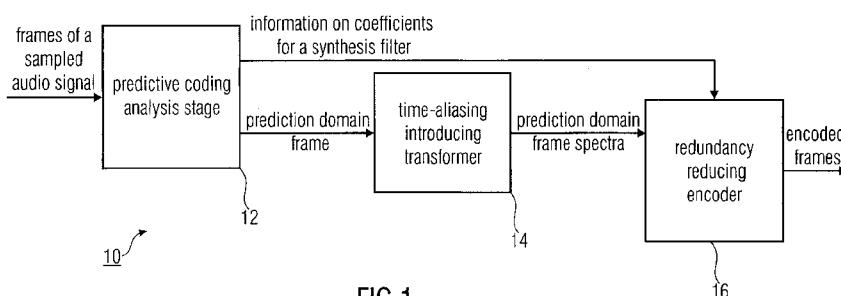


FIG 1

(57) **Abstract:** An audio encoder (10) adapted for encoding frames of a sampled audio signal to obtain encoded frames, wherein a frame comprises a number of time domain audio samples. The audio encoder (10) comprises a predictive coding analysis stage (12) for determining information on coefficients of a synthesis filter and a prediction domain frame based on a frame of audio samples. The audio encoder (10) further comprises a time-aliasing introducing transformer (14) for transforming overlapping prediction domain frames to the frequency domain to obtain prediction domain frame spectra, wherein the time-aliasing introducing transformer (14) is adapted for transforming the overlapping prediction domain frames in a critically-sampled way. Moreover, the audio encoder (10) comprises a redundancy reducing encoder (16) for encoding the prediction domain frame spectra to obtain the encoded frames based on the coefficients and the encoded prediction domain frame spectra.