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(54) Title: AUDIO ENCODER AND DECODER FOR ENCODING FRAMES OF SAMPLED AUDIO SIGNALS

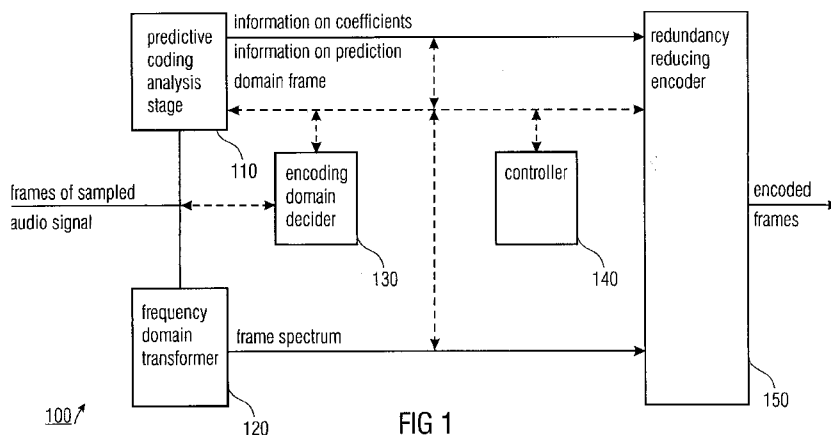


FIG 1

(57) Abstract: An audio encoder (100) adapted for encoding frames of a sampled audio signal to obtain encoded frames, wherein a frame comprises a number of time domain audio samples, comprising a predictive coding analysis stage (110) for determining information on coefficients of a synthesis filter and information on a prediction domain frame based on a frame of audio samples. The audio encoder (100) further comprises a frequency domain transformer (120) for transforming a frame of audio samples to the frequency domain to obtain a frame spectrum and an encoding domain decoder (130). Moreover, the audio encoder (100) comprises a controller (140) for determining an information on a switching coefficient when the encoding domain decoder decides that encoded data of a current frame is based on the information on the coefficients and the information on the prediction domain frame when encoded data of a previous frame was encoded based on a previous frame spectrum.