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Abstract (en)
[origin: EP0119033A1] The invention relates to a speech encoder using linear predictive coding and proposes a code comprising the parameters of a linear predictor and an excitation signal consisting of a plurality of pulses of which the timing and the amplitude is selected for each frame of speech. To enable the excitation signal pulses for the recursive filter to be evaluated in real time, the speech signal is passed through a pole-zero filter 38 to suppress the effects of reverberations and the output of the filter 38 is correlated with the time weighted impulse response of the recursive filter with the encoded parameters.

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