

Title (en)

Coding method and linear prediction speech coder.

Title (de)

Kodierungsverfahren und linearer Prädiktionssprachkodierer.

Title (fr)

Procédé de codage et codeur de parole à prédiction linéaire.

Publication

EP 0347307 B1 19940504 (FR)

Application

EP 89401644 A 19890613

Priority

FR 8807846 A 19880613

Abstract (en)

[origin: EP0347307A2] The method, usable in particular for low-rate speech transmission, uses vector excitation. A signal frame is represented, on the one hand, by prediction parameters, and on the other hand, by a succession of excitation vectors contained in a dictionary (20) and by amplification gains (Gk) of these vectors, the vectors adopted being determined by searching for the minimum energy of an error signal obtained by subtraction of each vector in its turn, after having submitted to a filtering, from the frame of the speech signal. Before subtraction: each frame of the speech signal is subjected to a short-term analysis filtering and to a weighted synthesis filtering, with coefficients possibly fixed in time, and the amplified vector is subjected to a long-term predictive filtering and to the same perceptual weighted synthesis filtering as the speech signal.
<IMAGE>

IPC 1-7

G10L 9/14

IPC 8 full level

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CPC (source: EP)

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Cited by

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