

Title (en)

Method of and device for speech signal coding and decoding by means of a multipulse excitation.

Title (de)

Verfahren und Einrichtung zur Codierung und Decodierung von Sprachsignalen unter Anwendung von Multipuls-Anregung.

Title (fr)

Méthode et dispositif de codage et de décodage de signaux de parole utilisant une excitation multi-impulsionnelle.

Publication

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Application

EP 89117837 A 19890927

Priority

IT 6786888 A 19880928

Abstract (en)

[origin: EP0361432A2] A coding-decoding method using a multipulse analysis-by-synthesis excitation technique comprises, in the decoding phase, cascaded long-term and short-term synthesis filterings. The lag and gain of the long-term synthesis and the excitation pulses are determined during the coding phase within the analysis-by-synthesis procedure in two subsequent steps, in the first of which the lag and the gain are determined, while in the second the positions and the amplitudes of the excitation pulses are determined. The invention concerns also the device performing the method.

IPC 1-7

G10L 9/14

IPC 8 full level

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CPC (source: EP)

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Citation (examination)

- ICASSP 86, IEEE-IECEJ-ASJ INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING, Tokyo, 7th - 11th April 1986, vol. 4, pages 3067-3070, IEEE, New York, US; G. OHYAMA et al.: "A novel approach to estimating excitation code in code-excited linear prediction coding"
- SIGNAL PROCESSING, Tokyo, 7th - 11th April 1986, vol. 3, pages 1689-1692, IEEE, New York, US; K. OZAWA et al.: "High quality multi-pulse speech coder with pitch prediction"

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ES2042410A2; US5761635A; EP0910064A3; US5327519A; EP0599569A3; AU665283B2; US5596677A; WO9529480A3

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