

Title (en)

System for speech coding and apparatus for the same.

Title (de)

Verfahren und Einrichtung zur Sprachcodierung.

Title (fr)

Procédé et dispositif pour le codage de la parole.

Publication

**EP 0405548 B1 19941117 (EN)**

Application

**EP 90112351 A 19900628**

Priority

- JP 16618089 A 19890628
- JP 16864589 A 19890630
- JP 19530289 A 19890727

Abstract (en)

[origin: EP0405548A2] A CELP type of speech signal coding system, wherein a code vector obtained by applying linear prediction to a vector of a residual speech signal of white noise stored in a code book and a pitch prediction vector obtained by applying linear prediction to a residual signal of a preceding frame given a delay corresponding to a pitch frequency are added, use is made of an impulse vector obtained by applying linear prediction to a residual signal vector of impulses having a predetermined relationship with the vectors of the white noise code book, variable gains are given to at least the above code vector and impulse vector, a reproduced signal is produced, and this reproduced signal is used for identification of the input speech signal, thus enabling the creation of a pulse series corresponding to the sound source of voiced speech sounds, enabling accurate evaluation and identification of a pulse-like sound source of voiced speech sounds and enabling improvement of the quality of the reproduced speech while reducing the amount of information transmitted.

IPC 1-7

**G10L 9/14**

IPC 8 full level

**G10L 19/12** (2013.01); **G10L 25/93** (2013.01)

CPC (source: EP)

**G10L 19/12** (2013.01); **G10L 25/93** (2013.01); **G10L 2019/0003** (2013.01); **G10L 2019/0005** (2013.01); **G10L 2019/0011** (2013.01)

Cited by

US5727122A; US5327519A; US8706480B2; US7363220B2; US7383177B2; US7742917B2; US7747432B2; US7747433B2; US7747441B2; US7937267B2; US8190428B2; US8352255B2; US8447593B2; US8688439B2; US9263025B2

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