

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 A2 19910102 (EN)

Application

EP 90112351 A 19900628

Priority

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- JP 19530289 A 19890727

Abstract (en)

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

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

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