

Title (en)

Multimode speech encoder with gain smoothing

Title (de)

Multimodaler Sprachkodierer mit Glättung des Gewinnfaktors

Title (fr)

Codeur de parole multimode avec lissage du gain

Publication

**EP 1100076 A2 20010516 (EN)**

Application

**EP 00124232 A 20001109**

Priority

JP 31953499 A 19991110

Abstract (en)

A mode discriminating circuit (300) extracts a feature quantity from a voice signal and makes mode discrimination. When the output of the circuit (300) represents a predetermined mode, a smoothing circuit (450) executes time-wise smoothing of at least either one of excitation gain, adaptive codebook gain, spectral parameter and excitation signal level. A multiplexer (400) locally reproduces a synthesized signal by using a signal obtained through the smoothing, and feeds out a combination of the outputs of spectral parameter calculating circuit, mode discriminating circuit, adaptive codebook circuit, excitation quantizing circuit and gain quantizing circuit. Thus it makes possible to provide a voice coding and a voice decoding apparatus, which permit good coded sound quality to be obtained for voice with background noise superimposed thereon even at a low bit rate.

<IMAGE>

IPC 8 full level

**G10L 25/93** (2013.01); **G10L 19/12** (2013.01); **G10L 19/20** (2013.01); **G10L 19/22** (2013.01); **G10L 19/26** (2013.01)

CPC (source: EP)

**G10L 19/083** (2013.01)

Cited by

US8457953B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**EP 1100076 A2 20010516**; **EP 1100076 A3 20031210**; CA 2325322 A1 20010510; JP 2001142499 A 20010525

DOCDB simple family (application)

**EP 00124232 A 20001109**; CA 2325322 A 20001109; JP 31953499 A 19991110