

Title (en)

METHOD FOR QUANTIFICATION OF SPEED SIGNAL ENERGY IN A LOW BIT RATE VOCODER

Publication

EP 0543700 A3 19930929 (FR)

Application

EP 92403025 A 19921110

Priority

FR 9114402 A 19911122

Abstract (en)

[origin: EP0543700A2] The method consists in subdividing (1) the speech signal into packets of a given number of frames of constant duration, by sampling a given number n of energy values from each frame, in quantifying (2, 3, 4) the first energy value measured in each first frame of a packet according to a given number QO of bits, and the variations in the k-1 remaining energies relative to the first value of the energy sampled on a given number Q1 of bits less than QO, the variations in the k-1 energies being selected from a list of "slopes", making it possible to attribute to each energy sample k the energy "slope" which separates it from the energy of the preceding sample k-1. Applications: vocoders. <IMAGE>

IPC 1-7

G10L 9/14

IPC 8 full level

G10L 19/02 (2006.01); **G10L 19/038** (2013.01); **G10L 19/06** (2006.01)

CPC (source: EP)

G10L 19/038 (2013.01); **G10L 19/06** (2013.01)

Citation (search report)

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- [XP] DE 4103277 A1 19920806 - HILBERG WOLFGANG [DE]
- [A] EP 0454552 A2 19911030 - THOMSON CSF [FR]
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- [A] ICASSP'87 (1987 INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING, Dallas, Texas, 6-9 avril 1987), vol. 3, pages 1653-1656, IEEE, New York, US; J. PICONE et al.: "Low rate speech coding using contour quantization"
- [A] ICASSP'87 (1987 INTERNATIONAL CONFERENCE ON ACOUSITCS, SPEECH, AND SIGNAL PROCESSING, Dallas, Texas, 6-9 avril 1987), vol. 4, pages 1949-1952, IEEE, New York, US; S. ROUCOS et al.: "A segment vocoder algorithm for real-time implementation"

Designated contracting state (EPC)

BE DE ES GB IT

DOCDB simple family (publication)

EP 0543700 A2 19930526; EP 0543700 A3 19930929; CA 2083335 A1 19930523; FR 2684225 A1 19930528

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