Title (en)
VECTOR QUANTIZATION METHOD FOR LOW BIT RATE VOCODERS

Title (de)
VEKTORQUANTISIERUNGSVERFAHREN FÜR VOKODER MIT NIEDRIGER DATENRATE

Title (fr)
PROCEDE DE QUANTIFICATION VECTORIELLE DE VOCODEURS BAS DEBIT

Publication
EP 0850470 B1 19990616 (FR)

Application
EP 96930202 A 19960904

Priority
- FR 9601347 W 19960904
- FR 9510393 A 19950905

Abstract (en)
[origin: WO9709711A1] The method of the invention includes determining the coding domain by surrounding in an envelope the cluster of points of the autocorrelation matrix of the reflection coefficients (Ki, LARi) of the voice path modelling filter, determining (3) the main co-ordinate axes of the volume of points inside the envelope, projecting (4) the autocorrelation matrix coefficients on the main co-ordinate axes, dividing the inner volume of the envelope into elementary volumes, and coding the resulting coefficients on the basis of their co-ordinates in the space defined by the main axes of the volume of the points inside the envelope by assigning as code values only those values corresponding to the locations of the elementary volumes in which they are found. The invention is useful for linear prediction vocoders.

IPC 1-7
G10L 3/00

IPC 8 full level
G10L 19/02 (2006.01); **G10L 19/038** (2013.01)

CPC (source: EP US)
G10L 19/038 (2013.01 - EP US)

Designated contracting state (EPC)
BE CH DE DK ES FI FR GB IT LI NL SE

DOCDB simple family (publication)
WO 9709711 A1 19970313; DE 69602963 D1 19990722; DE 69602963 T2 19991104; EP 0850470 A1 19980701; EP 0850470 B1 19990616; FR 2738383 A1 19970307; FR 2738383 B1 19971003; US 6016469 A 20000118

DOCDB simple family (application)
FR 9601347 W 19960904; DE 69602963 T 19960904; EP 96930202 A 19960904; FR 9510393 A 19950905; US 2925498 A 19980305