Title (en)

Vector quantization codebook generation method

Title (de)

Verfahren zur Erzeugung eines Vektorquantisierungs-Codebuchs

Title (fr)

Procédé de production d'une table de codes de quantification vectorielle

Publication

EP 1071082 A3 20010131 (EN)

Application

EP 00121467 A 19971106

Priority

- EP 97911460 A 19971106
- JP 29473896 A 19961107
- JP 31032496 A 19961121
- JP 3458297 A 19970219
- JP 3458397 A 19970219

Abstract (en)

[origin: EP1071082A2] A random code vector reading section and a random codebook of a conventional CELP type speech coder/decoder are respectively replaced with an oscillator for outputting different vector streams in accordance with values of input seeds, and a seed storage section for storing a plurality of seeds . This makes it unnecessary to store fixed vectors as they are in a fixed codebook (ROM), thereby considerably reducing the memory capacity.

IPC 1-7

G10L 19/12

IPC 8 full level

G10L 19/135 (2013.01)

CPC (source: EP)

G10L 19/135 (2013.01)

Citation (search report)

- [A] EP 0680032 A2 19951102 - NEC CORP [JP]
- [A] US 5293449 A 19940308 - TZENG FORREST F [US]
- [A] KIM S J ET AL: "A COMPLEXITY REDUCTION METHOD FOR VSELP CODING USING OVERLAPPED SPARSE BASIS VECTORS", PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON SIGNAL PROCESSING APPLICATIONS AND TECHNOLOGY, 18 October 1994 (1994-10-18), XP000866009
- [A] MILLAR D ET AL: "A MULTIPULSE SPEECH CODEC FOR DIGITAL CELLULAR MOBILE USE", PROCEEDINGS OF THE WORKSHOP ON SPEECH CODING FOR TELECOMMUNICATIONS,US,BOSTON, KLUWER, vol. -, 1989, pages 87 - 96, XP000419265

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DE FR GB IT

DOCDB simple family (publication)

EP 1071082 A2 20010124; **EP 1071082 A3 20010131**; **EP 1071082 B1 20020508**; EP 1132894 A2 20010912; EP 1132894 A3 20010919; EP 1132894 B1 20030502

DOCDB simple family (application)

EP 00121467 A 19971106; EP 01108523 A 19971106