

Title (en)

METHOD AND DEVICE FOR PITCH PERIOD DETERMINATION

Publication

EP 0052041 B1 19860102 (FR)

Application

EP 81401684 A 19811023

Priority

FR 8023881 A 19801107

Abstract (en)

[origin: US4443857A] The process uses a set of data characteristic of the speech signal, supplied by processing circuits: measurements of the time intervals between zero crossovers and measurements of the energy in the half-waves of this signal. The test procedure implemented by a microprocessor selects the half-waves whose energies exceed thresholds characterizing pitch period beginnings. These thresholds are predetermined for the first two successive sums selected, then depend on the energy values of the preceding half-waves selected differently according as to whether the voiced character of the signal is acquired or not. Complementary tests are used for minimizing detection errors.

IPC 1-7

G10L 9/02; **G10L 9/12**

IPC 8 full level

G10L 11/04 (2006.01); **G10L 25/90** (2013.01)

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Cited by

EP0292929A3; EP0092611A1

Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

EP 0052041 A1 19820519; **EP 0052041 B1 19860102**; DE 3173397 D1 19860213; FR 2494017 A1 19820514; FR 2494017 B1 19851025; US 4443857 A 19840417

DOCDB simple family (application)

EP 81401684 A 19811023; DE 3173397 T 19811023; FR 8023881 A 19801107; US 31813581 A 19811104