

Title (en)

CLOSED-LOOP VARIABLE-RATE MULTIMODE PREDICTIVE SPEECH CODER

Title (de)

MULTIMODALER PRÄDIKTIONSSPRACHKODIERER MIT REGELSCHLEIFE UND VERÄNDERLICHER DATENRATE

Title (fr)

MODELE EN BOUCLE DE CODEUR DE LA PAROLE PREDICTIF, MULTIMODE ET A DEBIT VARIABLE

Publication

**EP 1129451 A1 20010905 (EN)**

Application

**EP 99957560 A 19991112**

Priority

- US 9926850 W 19991112
- US 19164398 A 19981113

Abstract (en)

[origin: WO0030075A1] A closed-loop, multimode, predictive speech coder includes a codec (100, 200) configured to operate in any of several coding modes, and a closed-loop mode decision module configured to apply a lowest-bit-rate coding mode to an input speech frame. A performance measure of the codec is obtained and compared with a threshold value. If the performance measure does not exceed the threshold value, the lowest-bit-rate coding mode is rejected in favor of a coding mode with a higher bit rate. The process can be continued until the coding performance is satisfactory. A higher-bit-rate, direct coding mode may be applied after a lower-bit-rate, prediction-based coding mode has failed to perform satisfactorily.

IPC 1-7

**G10L 19/14**

IPC 8 full level

**G10L 19/18** (2013.01); **H03M 7/36** (2006.01)

CPC (source: EP KR)

**G10L 19/18** (2013.01 - EP KR); **G10L 19/24** (2013.01 - KR)

Citation (search report)

See references of WO 0030075A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**WO 0030075 A1 20000525**; AU 1524300 A 20000605; EP 1129451 A1 20010905; JP 2002530706 A 20020917; KR 20010087393 A 20010915

DOCDB simple family (application)

**US 9926850 W 19991112**; AU 1524300 A 19991112; EP 99957560 A 19991112; JP 2000583004 A 19991112; KR 20017006035 A 20010512