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.

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IPC 8 full level
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CPC (source: EP KR)
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