

Title (en)  
VARIABLE BIT RATE SPEECH ENCODER

Title (de)  
SPRACHKODIERER MIT VERÄNDERLICHER BITRATE

Title (fr)  
CODEUR VOCAL A DEBIT BINAIRE VARIABLE

Publication  
**EP 0574523 B1 19990721 (EN)**

Application  
**EP 92908518 A 19920304**

Priority  
• US 66457991 A 19910305  
• US 66594891 A 19910306  
• US 9201844 W 19920304

Abstract (en)  
[origin: WO9215986A1] A video conferencing system comprises an input signal conditioner (30) for digitizing and filtering the microphone signal; a gain quantizer (35) for generating a gain quantization index; a spectrum estimation module (38) for reducing the frequency coefficient to a smaller set of spectrum frames; a speech detection module (40) for estimating the energy component of the microphone signal; a coefficient quantizer (44) for producing a quantization index I(k); a bit rate estimator (42) for producing a step size Q(k); and a class integer C(j) and a bit stream controller (20) for transmitting the resulting signal over a communications channel (22). The method and apparatus thus allocate transmission bits for use in transmitting samples of the digitized input signals. The remote device reconstructs the digital signals from the transmitted selected samples and estimation samples.

IPC 1-7  
**G10L 5/00**; **G10L 7/00**; **G10L 9/00**; **H04B 1/66**; **G10L 7/06**

IPC 8 full level  
**G10L 19/24** (2013.01); **H04B 1/66** (2006.01); **H04L 1/24** (2006.01); **H04M 3/56** (2006.01)

CPC (source: EP)  
**G10L 19/24** (2013.01)

Designated contracting state (EPC)  
DE FR GB IT NL SE

DOCDB simple family (publication)  
**WO 9215986 A1 19920917**; CA 2105387 A1 19920906; DE 69229627 D1 19990826; DE 69229627 T2 19991202; EP 0574523 A1 19931222; EP 0574523 A4 19950301; EP 0574523 B1 19990721; JP 3130934 B2 20010131; JP H06506330 A 19940714

DOCDB simple family (application)  
**US 9201844 W 19920304**; CA 2105387 A 19920304; DE 69229627 T 19920304; EP 92908518 A 19920304; JP 50829592 A 19920304