

Title (en)
Quantization of linear prediction coefficients

Title (de)
Quantisierung der linearen Prädiktionskoeffizienten

Title (fr)
Quantisation des coefficients de prédiction linéaire

Publication
EP 0899720 A2 19990303 (EN)

Application
EP 98306906 A 19980827

Priority
US 5711497 P 19970828

Abstract (en)
A new method for quantization of the LPC coefficients in a speech coder includes a new weighted error measure including every frame sampling an impulse response from LPC filter (21) of said coder, filtering the samples using a perceptual weighting filter (47) and processing in a computer (39) to calculate autocorrelation function of the weighted impulse response, computing Jacobian matrix for LSF (Line Spectral Frequency), computing correlation of rows of Jacobian matrix and calculating LSF weights by multiplying correlation matrices. <IMAGE>

IPC 1-7
G10L 19/06

IPC 8 full level
G10L 19/00 (2006.01); **G10L 19/02** (2006.01); **G10L 19/06** (2006.01); **H03M 7/30** (2006.01)

CPC (source: EP)
G10L 19/038 (2013.01); **G10L 19/07** (2013.01); **G10L 2019/0014** (2013.01)

Cited by
KR100474969B1; CN111105807A; CN100370517C; US6122608A; EP0905680A3; KR100464310B1; CN103262161A; CN105741846A; CN105825860A; CN105825861A; US7516066B2; WO2004008437A3; US9311926B2; US9773507B2; US10580425B2

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