

Title (en)

ARRANGEMENT FOR SPEECH TRANSMISSION BASED ON THE CHANNEL VOCODER PRINCIPLE

Publication

EP 0075311 B1 19860820 (DE)

Application

EP 82108691 A 19820920

Priority

DE 3137679 A 19810922

Abstract (en)

[origin: US4574392A] A synthesizer for a channel vocoder for the transmission of speech with considerable frequency band reduction in digital technology provides a reduction of circuit expense. This is accomplished, given non-recursive filters having finite impulse response, not with a weighting of the pulse-shaped excitation variable with the transmitted envelope values of the spectral channels, but with a time variance of the filters by weighting their filter coefficients with the transmitted envelope values. In addition, with proper dimensioning of the filter coefficients, an optimum speech quality of synthesized speech is obtained at the output of the synthesizer even given elimination of the transmission of a voiced/voiceless signal.

IPC 1-7

G10L 3/02

IPC 8 full level

H04B 1/66 (2006.01); **G10L 19/02** (2013.01)

CPC (source: EP US)

G10L 19/02 (2013.01 - EP US)

Designated contracting state (EPC)

CH DE FR GB IT LI NL

DOCDB simple family (publication)

EP 0075311 A2 19830330; EP 0075311 A3 19840201; EP 0075311 B1 19860820; DE 3137679 A1 19830407; DE 3272737 D1 19860925; JP S5870298 A 19830426; JP S594720 B2 19840131; US 4574392 A 19860304

DOCDB simple family (application)

EP 82108691 A 19820920; DE 3137679 A 19810922; DE 3272737 T 19820920; JP 16242682 A 19820920; US 40095882 A 19820722