

Title (en)  
Audio signal processing

Title (de)  
Audiosignalverarbeitung

Title (fr)  
Traitement de signal audio

Publication  
**EP 0987680 B1 20080716 (EN)**

Application  
**EP 99202980 A 19990913**

Priority  
• EP 99202980 A 19990913  
• EP 98307574 A 19980917

Abstract (en)  
[origin: EP0987680A1] A speech coder (14) is operable to compress digital data representing speech using a Waveform Interpolation speech coding method. The coding method is carried out on the residual signal from a Linear Predictive Coding stage. On the basis of a series of overlapping frames of the residual signal, a series of respective spectra are found. The evolution of the spectra is filtered in a multi-stage filtering process, the filtered phase data being replaced with the original phase data at the end of each stage. This is found to result in the decoder (28) being better able to approximate the original speech signal. This is of particular utility in relation to mobile telephony. <IMAGE>

IPC 8 full level  
**G10L 19/097** (2013.01)

CPC (source: EP)  
**G10L 19/097** (2013.01)

Cited by  
CN100362568C; EP1796083A3; KR100754580B1; KR100752001B1; EP1617416A3; WO0182293A1; US7426466B2; US8660840B2

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

DOCDB simple family (publication)  
**EP 0987680 A1 20000322; EP 0987680 B1 20080716**

DOCDB simple family (application)  
**EP 99202980 A 19990913**