

Title (en)

Method of analysing by linear prediction an audio frequency signal, and its application to a method of coding and decoding an audio frequency signal

Title (de)

Verfahren zur Analyse eines Audiofrequenzsignals durch lineare Prädiktion, und Anwendung auf ein Verfahren zur Kodierung und Dekodierung eines Audiofrequenzsignals

Title (fr)

Procédé d'analyse par prédiction linéaire d'un signal audiofréquence, et procédés de codage et de décodage d'un signal audiofréquence en comportant application

Publication

**EP 0782128 B1 20000621 (FR)**

Application

**EP 96402715 A 19961212**

Priority

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Abstract (en)

[origin: EP0782128A1] The method involves determining the short term spectral parameters for an audio frequency signal ( $S_0(n)$ ) using  $q$  successive prediction stages  $p$  where  $q$  is larger than or equal to  $p$ . Each stage performs analysis of the coefficients of order  $M_p = a_1^{(p)} \dots a_{M_p}^{(p)}$  to analyse the input signal  $S_0(n)$  and the signal  $s_p(n)$  of a stage  $(p+1)$  using a filter transfer function:  $A_p(z) = 1 + \sum_{i=1}^{M_p} a_i^{(p)} z^{(-i)}$ . The number of linear predictive coefficients is increased for the following stage.

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