

Title (en)

Method for coding and decoding a sampled analog signal having a repetitive nature and a device for coding and decoding by said method.

Title (de)

Methode und Einrichtung zur Kodierung und Dekodierung eines abgetasteten Analogsignals mit Wiederholungseigenschaften.

Title (fr)

Méthode et dispositif pour le codage et le décodage d'un signal analogique échantillonné présentant un caractère répétitif.

Publication

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Application

EP 91202675 A 19911016

Priority

NL 9002308 A 19901023

Abstract (en)

Frequency components are calculated from the STP-filtered speech signal. The amplitudes of these are combined in a manner such that the resultant values are associated with frequencies which are situated equidistantly on a linear Bark scale. Said components are quantised, possibly after scaling. In the decoder, the components are again distributed over the frequency spectrum. In the coder, the fundamental regularity D is determined with an LTP technique, after which it is transmitted. In the decoder the phases of the reconstructed signal at the spacing D in the past are determined. These phases are combined with the amplitudes already present in the frequency spectrum, after which transformation back to the time domain takes place. Inverse STP filtering is then carried out.

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