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 échantilloné présentant un caractère répétitif

Publication

EP 0482699 B1 19970820 (EN)

Application

EP 91202675 A 19911016

Priority

NL 9002308 A 19901023

Abstract (en)

[origin: EP0482699A2] 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.

IPC 1-7

G10L 9/14

IPC 8 full level

G10L 19/06 (2013.01); **H03M 7/30** (2006.01)

CPC (source: EP)

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EP 0482699 A2 19920429; **EP 0482699 A3 19920819**; **EP 0482699 B1 19970820**; AT E157188 T1 19970915; CA 2053133 A1 19920424; CA 2053133 C 19960521; DE 69127339 D1 19970925; DE 69127339 T2 19980129; DK 0482699 T3 19980330; ES 2106051 T3 19971101; FI 105623 B 20000915; FI 914993 A0 19911023; FI 914993 A 19920424; JP 2958726 B2 19991006; JP H05268098 A 19931015; NL 9002308 A 19920518; NO 305188 B1 19990412; NO 914105 D0 19911018; NO 914105 L 19920424; PT 99294 A 19940131

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