

Title (en)

Method and apparatus for preprocessing an acoustic signal before speech coding

Title (de)

Verfahren und Gerät zur Vorverarbeitung eines akustischen Signals vor der Sprachcodierung

Title (fr)

Procédé et dispositif de prétraitement d'un signal acoustique en amont d'un codeur de parole

Publication

EP 0685836 B1 19990721 (FR)

Application

EP 95401261 A 19950531

Priority

FR 9406824 A 19940603

Abstract (en)

[origin: EP0685836A1] The method involves input of an acoustic signal to a high pass filter. If the energy (E2) of the high-pass filter output exceeds a certain fraction of the energy (E1) of the unfiltered signal, a first state is selected. If it is less, a second state is selected where the signal is subjected to high frequency pre-emphasis. The modification does not occur if the filtered signal energy is less than a threshold. The state is changed if several successive signal frames indicate a state different to that previously determined. A counter (32) is incremented when a comparator (27) indicates a different state and is decremented towards zero when the same state is indicated. At a threshold value, the output state is changed and returns to zero. <IMAGE>

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