

Title (en)

METHOD OF DETECTING A PAUSE BETWEEN TWO SIGNAL PATTERNS ON A TIME-VARIABLE MEASUREMENT SIGNAL

Title (de)

VERFAHREN ZUR ERKENNUNG EINER SIGNALPAUSE ZWISCHEN ZWEI MUSTERN, WELCHE IN EINEM ZEITVARIANTEN MESS-SIGNAL VORHANDEN SIND

Title (fr)

METHODE DE DETECTION D'UNE PAUSE DE SIGNAL ENTRE DEUX MODELES PRESENTS DANS UN SIGNAL DE MESURE VARIABLE EN TEMPS

Publication

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Application

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Priority

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- DE 19508711 A 19950310

Abstract (en)

[origin: DE19508711A1] The invention concerns a method of detecting pauses within a measurement signal. The invention preferably takes advantage of the fact that the analysis of the signal pattern is carried out in several time slices and the individual results of the analysis are processed through various stages of a detection system. Special hidden-Markov models are trained for pause conditions and compared with feature vectors derived from the measurement signal in the first stage of the method. If the probability of the presence of the pause is greater than the probability of the presence of other patterns, then this information is transmitted to the first signal-processing stage and the measurement signal classified there as a pause. The method proposed has the advantage that it facilitates detection of pauses when interference of the measurement signal results in a very low signal-to-noise ratio. The method can be used for signature recognition, speech recognition and the recognition of communications signals.

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