

Title (en)

ARRANGEMENT FOR THE DETECTION OF SPEECH INTERVALS

Publication

EP 0110467 B2 19910619 (DE)

Application

EP 83201638 A 19831117

Priority

DE 3243231 A 19821123

Abstract (en)

[origin: CA1203627A] Method of recognizing speech pauses. The described method of recognizing pauses in a speech signal enables -this recognition also when a slowly varying noise signal is superposed on the speech signal. For the purpose of pause recognition so-called short-time mean values connected with a clock pulse are continuously determined from the samples of the disturbed speech signal, which short time mean values are a measure of the average power of approximately 100 ms long sections of the disturbed speech signals. The sequence of these short-time mean values is then smoothed by linear filtration or by means of a median filter. In parallel with the smoothing operation an estimate for the noise signal power averaged over a few seconds is taken from the sequence of short-time mean values. If the smoothed short time mean value is once or several times less than a threshold which is proportional to the above-mentioned estimate, then it is decided that there is a speech pause.

IPC 1-7

G10L 3/00

IPC 8 full level

G10L 25/78 (2013.01); **G10L 25/87** (2013.01)

CPC (source: EP US)

G10L 25/78 (2013.01 - EP US); **G10L 25/87** (2013.01 - EP US); **G10L 2025/786** (2013.01 - EP US)

Cited by

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EP 0110467 A1 19840613; **EP 0110467 B1 19870812**; **EP 0110467 B2 19910619**; AU 2154583 A 19840531; AU 561076 B2 19870430; CA 1203627 A 19860422; DE 3243231 A1 19840524; DE 3243231 C2 19870702; DE 3373037 D1 19870917; JP S59105695 A 19840619; US 4700394 A 19871013

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