

Title (en)

Speech-silence detection with subband coding.

Title (de)

Sprachpausenbestimmung mit Teilbandkodierung.

Title (fr)

Détection parole-silence avec codage par sous-bandes.

Publication

**EP 0167364 A1 19860108 (EN)**

Application

**EP 85304627 A 19850628**

Priority

US 62858384 A 19840706

Abstract (en)

Speech detection is accomplished in conjunction with two-band subband encoding. A detection statistic  $T(i, \tau_0)$ , used to estimate the short-term speech energy, is developed from energy estimates made in each subband. A speech presence energy threshold  $\lambda_{ON}$  a speech silence energy threshold  $\lambda_{OFF}$  and  $\lambda_{OFF}$  are computed which adapt to the long-term speech level. The detection statistic is compared to the thresholds to make a decision concerning the presence or absence of speech. Also disclosed are considerations for extrapolating the detection to result in an arrangement with more than two subbands.

IPC 1-7

**G10L 3/00**

IPC 8 full level

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CPC (source: EP)

**G10L 25/78** (2013.01)

Citation (search report)

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