

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 λ_{ON} a speech silence energy threshold λ_{OFF} and λ_{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

G10L 19/00 (2006.01); **G10L 11/00** (2006.01); **G10L 11/02** (2006.01); **H03M 7/30** (2006.01); **H04B 14/04** (2006.01)

CPC (source: EP)

G10L 25/78 (2013.01)

Citation (search report)

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Designated contracting state (EPC)

DE FR

DOCDB simple family (publication)

EP 0167364 A1 19860108; JP S6132900 A 19860215

DOCDB simple family (application)

EP 85304627 A 19850628; JP 14687785 A 19850705