

Title (en)

Method for detecting a noisy wanted signal.

Title (de)

Verfahren zur Ermittlung eines verrauschten Nutzsignals.

Title (fr)

Procédé de détection d'un signal utile bruité.

Publication

EP 0518742 A1 19921216 (FR)

Application

EP 92401553 A 19920605

Priority

FR 9107323 A 19910614

Abstract (en)

In order to detect a noisy wanted signal, a measurement of the expected S/N ratio of this signal is taken over one time slice, a measurement of the estimated white noise alone is taken over another time slice without wanted signal, the mean energy of the noise and of the noisy signal are calculated, each in its time slice, the theoretical detection threshold and the ratio of these two energies are calculated, and the ratio is compared with the calculated threshold, this threshold being greater than 1 (ideal threshold).

IPC 1-7

G10L 3/00

IPC 8 full level

G10L 11/02 (2006.01); **G10L 21/02** (2006.01); **G10L 25/78** (2013.01)

CPC (source: EP US)

G10L 25/78 (2013.01 - EP US)

Citation (search report)

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- [A] US 4052568 A 19771004 - JANKOWSKI JOSEPH ALBIN
- [A] IEEE TRANSACTIONS ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING, vol. ASSP-31, no. 3, juin 1983, pages 678-684, New York, US; P. DE SOUZA: "A statistical approach to the design of an adaptive self-normalizing silence detector"
- [A] IBM TECHNICAL DISCLOSURE BULLETIN, vol. 29, no. 12, May 1987, pages 5606-5609, Armonk, New York, US; "Digital signal processing algorithm for microphone input energy detection having adaptive sensitivity"

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