Title (en)

Energy detection procedure for noisy signals

Title (de)

Verfahren zur Energiedetektion von durch Rauschen gestörten Signalen

Title (fr)

Procédé de détection énergétique de signaux noyés dans du bruit

Publication

EP 0620546 B1 20010919 (FR)

Application

EP 94400779 A 19940411

Priority

FR 9304519 A 19930416

Abstract (en)

[origin: EP0620546A2] The energy detection procedure for useful signals embedded in noise, consists, according to the invention, starting from a frame of samples of a noisy signal, grouped into successive frames, in performing a preclassification by comparing the energies of the successive samples of each frame with a specified optimal threshold and in classing into a first "noise only" class the samples which exhibit a high probability of belonging to this class, and then, for each of these samples, those exhibiting a sufficiently high energy for their probability of belonging to a second "noise + useful signal" class to be high are detected, this second class being defined by taking the first class as reference.

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G10L 11/02

IPC 8 full level

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EP 0620546 A2 19941019; **EP 0620546 A3 19941214**; **EP 0620546 B1 20010919**; DE 69428297 D1 20011025; DE 69428297 T2 20020704; FR 2704111 A1 19941021; FR 2704111 B1 19950524; JP H0715363 A 19950117; US 5511009 A 19960423

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