

Title (en)

Method for the processing of the signal in a danger detector, and detector with means for the implementation of such method

Title (de)

Verfahren zur Verarbeitung der Signale eines Gefahrenmelders und Gefahrenmelder mit Mitteln zur Durchführung des Verfahrens

Title (fr)

Méthode de traitement du signal dans un détecteur d'alarme, et détecteur avec des moyens d'implémentation de ladite méthode

Publication

EP 1134712 B1 20080507 (DE)

Application

EP 00105438 A 20000315

Priority

EP 00105438 A 20000315

Abstract (en)

[origin: EP1134712A1] The signals from an alarm, comprising at least one sensor (2, 3, 4), for monitoring characteristic hazard values and an analytical electronic unit (1), connected to the at least one sensor (2, 3, 4), are compared with pre-set parameters. Furthermore, the signals are analysed for repeated or regular occurrence and repeated, or regularly occurring alarm signals are classed as error signals. The classification of signals as error signals gives rise to a corresponding adjustment of the parameter. When an error signal arises, before the parameter is adjusted, the validity of the signal analysis for the at least one sensor (2, 3, 4) is checked and the parameter adjustment is carried out, depending upon the result of said validity check. An alarm with the means for carrying out said method comprises at least one sensor (2, 3, 4), for a characteristic hazard value and an electronic analysis unit (1), containing a microprocessor (6), for the evaluation and analysis of the signal from the at least one sensor (2, 3, 4). The microprocessor (6) has a software programme with an adaptive algorithm based on multiple solutions for the analysis of the signals from the at least one sensor (2, 3, 4).

IPC 8 full level

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