

Title (en)

Automatic self-testing alarm system with supervision signal analysis

Title (de)

Automatisches Alarmsystem mit Überwachungssignalanalyse

Title (fr)

Système d'alarme automatique avec analyse d'un signal de surveillance

Publication

EP 0814445 B1 20031217 (EN)

Application

EP 97201449 A 19970520

Priority

- US 65029296 A 19960520
- US 68571696 A 19960724
- US 68553996 A 19960724

Abstract (en)

[origin: EP0814445A2] A self-testing data communications system suitable for use with an alarm system. In a first aspect the communications system is capable of modifying an operational parameter such as the input signal sensitivity of a receiver located at a monitoring station during receipt of a supervision signal from a remote alarm device, in order to ensure that a non-supervision alarm signal will be properly received when the operational parameter is again returned to its normal state. In a second aspect, the receiving element of the communications system is capable of receiving the message simultaneously at two different sensitivity levels, and during a supervision message, the lower sensitivity path is used in order to ensure that non-supervision alarm messages are received with an adequate signal margin. In a third aspect, the receiving element of the communications system is capable of measuring the signal strength (RSSI) of the received message signal and comparing it, if it is a supervision message, to a predetermined threshold value. When the supervision RSSI signal is above the threshold, the received message is passed to the control as being validly received; when the supervision RSSI signal is not above the threshold, then the message is ignored. <IMAGE>

IPC 1-7

G08B 29/00; **G08B 25/10**

IPC 8 full level

G08B 29/12 (2006.01)

CPC (source: EP)

G08B 29/123 (2013.01)

Cited by

EP1953720A1

Designated contracting state (EPC)

DE ES FR GB IT NL

DOCDB simple family (publication)

EP 0814445 A2 19971229; **EP 0814445 A3 19990414**; **EP 0814445 B1 20031217**; DE 69726793 D1 20040129; DE 69726793 T2 20040617; ES 2208814 T3 20040616

DOCDB simple family (application)

EP 97201449 A 19970520; DE 69726793 T 19970520; ES 97201449 T 19970520