Title (en)

Peripheral device that connects to home alarm systems and serves the global protection of an opening through magnetic switches and motion sensors

Title (de)

Peripherievorrichtung, die Heimalarmsysteme verbindet und durch Magnetschaltern und Bewegungssensoren dem allgemeinen Schutz eines Eingangs dient

Title (fr)

Dispositif périphérique qui connecte des systèmes d'alarme de domicile qui sert de protection globale d'une ouverture au moyen de commutateurs magnétiques et de capteurs de mouvement

Publication

EP 2393071 B1 20130501 (EN)

Application

EP 11386009 A 20110502

Priority

GR 20100100257 A 20100503

Abstract (en)

[origin: EP2393071A2] The invention is a peripheral device that connects to home alarm systems and aims to the global protection of an opening (door / window), and to make the residential alarm systems more friendly to the user. It monitors the magnetic switches which are installed in the construction (window glass and shutter) of the door/window, it checks the window glass for a possible break through motion sensors, it detects the presence of external magnetic fields that are strong enough to disable the magnetic switches and it protects against any malicious short wiring of the alarm zone. It receives power from the alarm's control center and it has a trivial consumption of about 2mA. It requires no modification to the existing wiring of the house. It runs a special software so that no alarm can be caused by the excitation motion sensors from inside the house but only when someone breaks the glass from the outside and pass through the opening. False alarms from excitations that can occur from the exterior of the house , such as for lightning, has also been obliterated. In addition, the device enables the system to distinguish whether the opening of the window glass/shutter has been made from inside or outside of the house and thus enabling the tenant to open a door or a window from inside without the alarm going off. From this point strong algorithms start covering various scenarios in order to give the tenant a maximum of flexibility. The ultimate goal is that the security system should not restrict tenant's everyday live and so it will remain armed 24 hours a day. In addition, it gives the opportunity to choose between a smart operation as described above and a conventional system, which prohibits any dealing in construction by handling the control center's keyboard (any center that supports dual terminal resistance).

IPC 8 full level

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CPC (source: EP GR)

G08B 13/08 (2013.01 - EP GR); **G08B 13/19** (2013.01 - GR); **G08B 25/008** (2013.01 - EP); **G08B 25/018** (2013.01 - EP); **G08B 29/183** (2013.01 - EP)

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