

Title (en)  
IMPROVEMENTS RELATING TO SECURITY ALARM SYSTEMS

Publication  
**EP 0044725 B1 19860102 (EN)**

Application  
**EP 81303291 A 19810717**

Priority  
GB 8023674 A 19800719

Abstract (en)  
[origin: EP0044725A2] An alarm system uses piezo-electric crystals (2) which when vibrated produce an electrical signal that is used to generate an alarm. Each crystal is in a sensor unit (1) with a latch circuit (13) and an indicator (15), and the threshold at which the alarm triggers latch-on and activates the indicator is adjustable. The latched-on alarm signal in normal use is passed by cable to a remote control module (21), where the actual alarm can be raised. For setting up, the sensor is provided with a periodic power supply from the control module and the alarms (24, 29) are disabled, so that during power-on periods an operator can adjust the sensor threshold without disturbance at the control module. If latching occurs at the wrong level, the subsequent momentary power-off restores the sensor to its primed state, enabling re-adjustment. As well as being responsive to sensor vibration above a set level, an alarm is raised if the cable circuit is broken or short circuited.

IPC 1-7  
**G08B 13/12**; **G08B 13/16**

IPC 8 full level  
**G08B 13/12** (2006.01); **G08B 13/16** (2006.01)

CPC (source: EP)  
**G08B 13/126** (2013.01); **G08B 13/1654** (2013.01)

Cited by  
GB2132804A; EP1939828A3; FR2778690A1; US4783801A; EP0234116A1; US7675413B2; WO8703985A1

Designated contracting state (EPC)  
BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)  
**EP 0044725 A2 19820127**; **EP 0044725 A3 19820203**; **EP 0044725 B1 19860102**; DE 3173358 D1 19860213

DOCDB simple family (application)  
**EP 81303291 A 19810717**; DE 3173358 T 19810717