Title (en)

METHOD FOR THE ENERGY-SAVING OPERATION OF RISK DETECTORS IN A RISK DETECTION ARRANGEMENT

Publication

EP 0362798 A3 19910116 (DE)

Application

EP 89118339 A 19891003

Priority

DE 3834044 A 19881006

Abstract (en)

[origin: EP0362798A2] The system operating in accordance with the principle of chain synchronization, comprising a central station (Z) having several two-core primary signalling lines (ML), to which a plurality of detectors (Mn) are connected in the form of a chain which are regularly cyclically activated from the central station (Z) and are interrogated for their respective analog detector measurement value, in each case uses detectors (Mn) which exhibit a voltage measuring device (MU) which monitors the applied line voltage (UL), a subsequent logic circuit (VL) with associated sensor part (S), a subsequent control device (St), an energy accumulator (C) and a switching transistor (T). The logic circuit (VL) is essentially formed by a microprocessor which can be connected and disconnected. According to the invention, the microprocessor is switched into a current-saving standby condition and switched on again in dependence on particular switching criteria which are specific for the hazard signalling system, a required start-up time (tan) being ensured for the microprocessor. For example, the microprocessor is switched to the standby condition in dependence on a particular line voltage (disconnecting voltage UAB=UR) and switched on again with the presence of another predetermined line voltage (connecting voltage UAN=US) so that the detector is activated after a particular start-up time (tan=ts). <IMAGE>

IPC 1-7

G08B 26/00

IPC 8 full level

G08B 26/00 (2006.01)

CPC (source: EP)

G08B 26/005 (2013.01)

Citation (search report)

- [A] EP 0125485 A1 19841121 - SIEMENS AG [DE]
- [A] GB 2131991 A 19840627 - PHILP ROBERT
- [A] EP 0279697 A2 19880824 - NEC CORP [JP]

Cited by

EP0491216A3; US6941869B2; WO0239050A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0362798 A2 19900411; **EP 0362798 A3 19910116**; **EP 0362798 B1 19940209**; AT E101445 T1 19940215; DE 58906937 D1 19940324

DOCDB simple family (application)

EP 89118339 A 19891003; AT 89118339 T 19891003; DE 58906937 T 19891003