

Title (en)

Line drive circuit for fire alarm system and corresponding fire alarm system

Title (de)

Leitungsansteuerung für ein Feueralarmsystem und entsprechendes Feueralarmsystem

Title (fr)

Circuit d'attaque de ligne pour système d'alarme incendie et système d'alarme incendie correspondant

Publication

**EP 2693415 A1 20140205 (EN)**

Application

**EP 13172598 A 20130619**

Priority

CN 201210270657 A 20120731

Abstract (en)

The present invention proposes a drive circuit and drive method for a fire alarm system. The drive circuit comprises: a current generation circuit, capable of selectively supplying either a first current  $I_{N1}$  or a second current  $I_{ALARM}$  to the line, wherein the first current  $I_{N1}$  is used as a line monitoring current in a normal operating state, and the second current  $I_{ALARM}$  is greater than the first current  $I_{N1}$ ; and a detection circuit, for controlling the current generation circuit to supply the second current  $I_{ALARM}$  to the line when detecting that a line voltage  $V_{Line}$  on the line is lower than a threshold  $V_{th}$ , wherein the threshold  $V_{th}$  is lower than a normal line voltage but higher than a maximum alarm voltage indicated on the line when the fire detector gives an alarm.

IPC 8 full level

**G08B 29/06** (2006.01)

CPC (source: EP)

**G08B 25/04** (2013.01); **G08B 29/06** (2013.01)

Citation (search report)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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