

Title (en)

SIGNALING DEVICE FOR A PROTECTIVE CIRCUIT

Title (de)

MELDEGERÄT FÜR EINE SICHERHEITSSCHALTUNG

Title (fr)

APPAREIL DE SIGNALISATION POUR CIRCUIT DE PROTECTION

Publication

**EP 1738383 B2 20230111 (DE)**

Application

**EP 05731057 A 20050323**

Priority

- EP 2005003073 W 20050323
- DE 102004020995 A 20040419
- DE 102004031918 A 20040623

Abstract (en)

[origin: WO2005101439A1] A signaling device for a protective circuit is provided with an input part (52) for receiving an external state variable, with at least one circuit element (34, 36) and one control part (30, 32). Said control part (30, 32) is adapted to control the at least one circuit element (34, 36), depending on the external state variable, in such a manner that a signal applied to the input (38) is switched through to the output (42). According to an embodiment of the invention, the input (38) of the circuit element (34, 36) is internally subjected to a permanent potential, preferably a permanent high potential. In a protective circuit for switching off a hazardous installation the aforementioned signaling devices are connected in series to a safety control device. The control part of the second signal device controls the circuit elements associated therewith also depending on the first signal device.

IPC 8 full level

**H01H 47/00** (2006.01)

CPC (source: EP US)

**H01H 47/002** (2013.01 - EP US); **H01H 47/004** (2013.01 - EP US)

Citation (opposition)

Opponent :

- DE 10011211 A1 20010920 - PILZ GMBH & CO [DE]
- DE 10216226 A1 20031030 - PILZ GMBH & CO [DE]
- DE 10109864 A1 20020919 - SIEMENS AG [DE]
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- DE 60001235 T2 20031030 - JOKAB SAFETY AB MALMOE [SE]
- DE 10000799 C1 20010517 - EUCHNER GMBH & CO [DE]
- DE 19928984 A1 20001228 - LEUZE ELECTRONIC GMBH & CO [DE], et al
- DE 10045651 A1 20020404 - PILZ GMBH & CO [DE]
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EP1738383B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2005101439 A1 20051027**; AT E467224 T1 20100515; DE 502005009527 D1 20100617; EP 1738383 A1 20070103; EP 1738383 B1 20100505; EP 1738383 B2 20230111; ES 2342543 T3 20100708; HK 1099123 A1 20070803; JP 2007532838 A 20071115; JP 5089378 B2 20121205; US 2007090694 A1 20070426; US 7948391 B2 20110524

DOCDB simple family (application)

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