

Title (en)
Safety switching device

Title (de)
Sicherheitsschalteneinrichtung

Title (fr)
Dispositif de commutation de sécurité

Publication
EP 2560180 A3 20140205 (DE)

Application
EP 12180866 A 20120817

Priority
DE 102011052810 A 20110818

Abstract (en)
[origin: EP2560180A2] The device (1) has a reset input (IN) for starting the device after triggering a safety function of the device, where the device is operable in various start modes. An evaluation circuit (2) is connected with the reset input to detect application of a start signal. The circuit selects a start mode for the device in correspondence with the detected start signal. The circuit comprises a sampling unit (4) for sampling the start signal at the reset input and detecting a sequence of sample values. The circuit detects a voltage level, a voltage slope or a clocked signal as the start signal.

IPC 8 full level
H01H 47/02 (2006.01); **H01H 51/00** (2006.01)

CPC (source: EP)
H01H 47/02 (2013.01); **H01H 51/00** (2013.01)

Citation (search report)

- [XYI] WO 0175532 A1 20011011 - PILZ GMBH & CO [DE], et al
- [A] WO 2007014725 A1 20070208 - PHOENIX CONTACT GMBH & CO [DE], et al
- [YA] DE 102004010852 A1 20051117 - INFINEON TECHNOLOGIES AG [DE]
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Cited by
CN107658181A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2560180 A2 20130220; EP 2560180 A3 20140205; EP 2560180 B1 20160413; DE 102011052810 A1 20130221; ES 2574410 T3 20160617

DOCDB simple family (application)
EP 12180866 A 20120817; DE 102011052810 A 20110818; ES 12180866 T 20120817