

Title (en)  
SAFETY SWITCH DEVICE FOR THE RELIABLE DISCONNECTION OF AN ELECTRICAL CONSUMER

Title (de)  
SICHERHEITSSCHALTVORRICHTUNG ZUM SICHEREN ABSCHALTEN EINES ELEKTRISCHEN VERBRAUCHERS

Title (fr)  
DISPOSITIF DE COMMUTATION DE SECURITE POUR METTRE UN CONSOMMATEUR ELECTRIQUE HORS CIRCUIT DE MANIERE FIABLE

Publication  
**EP 1861860 B1 20100519 (DE)**

Application  
**EP 06707069 A 20060218**

Priority  
• EP 2006001484 W 20060218  
• DE 102005014125 A 20050322

Abstract (en)  
[origin: US2008067876A1] A safety switching apparatus for safe disconnection of an electrical load in an automated installation has at least one input for connecting a signaling device. The safety switching apparatus has an evaluation and control unit and at least one switching element controlled by the evaluation and control unit in order to interrupt an electrical power supply path to the load. The switching element is a changeover switch having at least two mutually alternative switching paths, with a first switching path being located in the electrical power supply path to the load and with a second switching path leading to a monitoring unit.

IPC 8 full level  
**H01H 47/00** (2006.01); **F16P 3/00** (2006.01)

CPC (source: EP US)  
**H01H 47/002** (2013.01 - EP US)

Citation (examination)  
DE 10011211 A1 20010920 - PILZ GMBH & CO [DE]

Cited by  
CN108700858A; US11209789B2; DE102013106487A1; US9989594B2

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 LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**US 2008067876 A1 20080320; US 7672109 B2 20100302**; AT E468598 T1 20100615; CN 101180698 A 20080514; CN 101180698 B 20120425; DE 102005014125 A1 20060928; DE 502006006977 D1 20100701; EP 1861860 A1 20071205; EP 1861860 B1 20100519; HK 1112108 A1 20080822; JP 2008538169 A 20081009; JP 4870149 B2 20120208; WO 2006099925 A1 20060928

DOCDB simple family (application)  
**US 85892507 A 20070921**; AT 06707069 T 20060218; CN 200680017614 A 20060218; DE 102005014125 A 20050322; DE 502006006977 T 20060218; EP 06707069 A 20060218; EP 2006001484 W 20060218; HK 08106537 A 20080612; JP 2008502267 A 20060218