

Title (en)
Safety switch apparatus

Title (de)
Schutzschalter

Title (fr)
Interrupteur de sécurité

Publication
EP 2112674 A3 20100908 (EN)

Application
EP 08010513 A 20080609

Priority
IT VI20080101 A 20080424

Abstract (en)
[origin: EP2112674A2] A safety switch apparatus for a work zone protection barrier, comprising a box-like body (B) designed to be mounted to the stationary part (F) of the barrier (B) and having a first slit (5), a switching circuit located in said box-like body (4) and designed to be connected to the power supply circuit of the machine or equipment, the switching circuit being operatable through said first slit (5), an actuator (6) designed to be associated with the door (P) of the barrier (B) and to be introduced in the first slit (5) for interaction with the switching circuit, a second slit (7) formed in the box-like body (4), and adapted to receive a pin (8) attached to the door (P), for centering and guiding it into the first slit (5). Means (9) are provided for blocking said second slit (7) in open door (P) conditions, with the actuator (6) not inserted in the first slit (5) and the power supply circuit being open.

IPC 8 full level
H01H 27/00 (2006.01)

CPC (source: EP)
H01H 27/002 (2013.01)

Citation (search report)
[AD] EP 1013985 A2 20000628 - GUNNEBO TROAX AB [SE]

Cited by
WO2015155744A1; US10242823B2; ITUA20163940A1; CN106170842A; JP2017518605A; IT201800005913A1; CN112534173A; KR20210018851A; US2021230904A1; US12024923B2; WO2015083143A1; IT201900011694A1; WO2017208124A1; WO2019229708A1

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

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 2112674 A2 20091028; EP 2112674 A3 20100908; EP 2112674 B1 20120425; IT VI20080101 A1 20091025

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