

Title (en)
Safety switch.

Title (de)
Sicherheitsschalter.

Title (fr)
Interrupteur de sécurité.

Publication
EP 0609672 A3 19941228 (DE)

Application
EP 94100405 A 19940113

Priority
DE 4303367 A 19930205

Abstract (en)
[origin: DE4303367C1] The switch has a housing (1) with an opening for insertion of a switch operating element (22) cooperating with a number of discs (18) within the housing, together acting as a roller for operating a movable contact carrier. Each of the discs is independently rotatable. All the discs have a control cam slot (19) for a pin (15) extending parallel to the axis of the contact carrier. The peripheral edge of each disc has at least one radial slot, cooperating with operating sections (23) of the inserted operating element. The discs may be slid axially along the axis under control of cam surfaces provided by the operating sections. ADVANTAGE - Prevents unauthorised operation of switch, without requiring great mechanical coding.

IPC 1-7
H01H 27/00

IPC 8 full level
H01H 3/42 (2006.01); **H01H 9/28** (2006.01); **H01H 13/02** (2006.01); **H01H 27/00** (2006.01)

CPC (source: EP US)
H01H 27/002 (2013.01 - EP US); **H01H 2027/005** (2013.01 - EP US)

Citation (search report)
• [DA] EP 0175156 A2 19860326 - SCHMERSAL K A GMBH & CO [DE] & DE 3433048 A1 19860320 - SCHMERSAL K A GMBH & CO [DE]
• [A] DE 3302631 A1 19840802 - KRONENBERG GMBH H & J [DE]
• [DA] FR 2550880 A1 19850222 - SCHMERSAL K A GMBH & CO [DE] & DE 3330109 A1 19850314 - SCHMERSAL K A GMBH & CO [DE]

Cited by
EP0707329A1

Designated contracting state (EPC)
CH FR GB IT LI

DOCDB simple family (publication)
DE 4303367 C1 19940224; BR 9400421 A 19940823; EP 0609672 A2 19940810; EP 0609672 A3 19941228; EP 0609672 B1 19980722; JP 3207654 B2 20010910; JP H06243762 A 19940902; US 5420385 A 19950530

DOCDB simple family (application)
DE 4303367 A 19930205; BR 9400421 A 19940203; EP 94100405 A 19940113; JP 593294 A 19940124; US 18979394 A 19940201