

Title (en)
Safety switch that may be locked with an electromagnet

Title (de)
Durch einen Elektromagnet verriegelbarer Sicherheitsschalter

Title (fr)
Interrupteur de sécurité verrouillable par électroaimant

Publication
EP 0817227 B1 20010919 (FR)

Application
EP 97401340 A 19970613

Priority
FR 9608321 A 19960702

Abstract (en)
[origin: EP0817227A1] A casing (10) encloses a contact block (B). An exterior command head (11) can rotate to several positions about one axis (X1) to give a slot for a switch operator key (A) and to turn a roller transmission mechanism that rotates about a second axis (X2) in response to the key to displace a push button (15). When the electromagnet (E) is on, the core pulls down a sliding support (21) to which is clipped a movable piece (25) that has an operating ramp (26) attached. The slide moves to the right and blocks the push button is blocked by means of a boss on a sleeve which is fixed coaxially with the button and butts against a shoulder (19b) on a head within the roller.

IPC 1-7
H01H 27/00

IPC 8 full level
H01H 27/00 (2006.01); **H01H 11/00** (2006.01)

CPC (source: EP US)
H01H 27/007 (2013.01 - EP US); **H01H 11/0006** (2013.01 - EP US); **H01H 2027/005** (2013.01 - EP US)

Designated contracting state (EPC)
DE ES GB IT

DOCDB simple family (publication)
EP 0817227 A1 19980107; EP 0817227 B1 20010919; CN 1061461 C 20010131; CN 1174386 A 19980225; DE 69706775 D1 20011025; DE 69706775 T2 20020418; ES 2160904 T3 20011116; FR 2750791 A1 19980109; FR 2750791 B1 19981009; JP 3824381 B2 20060920; JP H113638 A 19990106; US 5861786 A 19990119

DOCDB simple family (application)
EP 97401340 A 19970613; CN 97117120 A 19970702; DE 69706775 T 19970613; ES 97401340 T 19970613; FR 9608321 A 19960702; JP 17675697 A 19970702; US 88228797 A 19970625