

Title (en)
Key-controlled safety switch

Title (de)
Schlüsselsicherheitsschalter

Title (fr)
Interrupteur de sécurité à clé

Publication
EP 0871188 B2 20050810 (EN)

Application
EP 97117694 A 19971013

Priority
IT VI970054 A 19970411

Abstract (en)
[origin: EP0871188A1] A key-controlled safety switch includes a box-like case (2) with a longitudinal axis (L) which internally accommodates a series of fixed electric contacts (4, 5) and moving electric contacts (6, 7) which are suitable to interact in order to change the state of the switch, and an actuation head with a prism-shaped cap (3) which has, on opposite sides of an end edge (14), two slots (12, 13) for the insertion of a key-type actuator (15) along two mutually perpendicular directions (α , β), wherein the head (3) supports a cam (16) for the actuation of the moving contacts (6, 7) which can rotate about a substantially transverse pin (H), and locking devices for the cam (16) which include at least one slider (39) which can slide substantially at right angles to the rotation axis of the cam. The slider (39) and the cam (16) can be actuated exclusively with the key-type actuator (15). The direction of the sliding of the slider (39) is substantially perpendicular to the rotation axis (18) of the cam and is inclined with respect to both of the insertion directions of the actuator. The slots (12, 13) for the insertion of the actuator are substantially equidistant from the end edge (14). <IMAGE>

IPC 1-7
H01H 27/00

IPC 8 full level
H01H 27/00 (2006.01)

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

Citation (opposition)
Opponent :

- EP 0707329 A1 19960417 - BERNSTEIN HANS SPEZIALFABRIK [DE]
- EP 0702386 A1 19960320 - SCHMERSAL K A GMBH & CO [DE]
- US 5420385 A 19950530 - COOPER ALAN R [GB]
- US 5777284 A 19980707 - MOHTASHAM MEDI [GB]
- WO 9825284 A1 19980611 - EUCHNER GMBH & CO [DE], et al

Cited by
CN111668042A; DE102005050313B4; DE102005050313B8; US7345252B2; WO2013077817A1

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AT CH DE ES FR GB IT LI

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