

Title (en)
Improvement in the explosion-proof switch for a refrigeration apparatus

Title (de)
Explosionssicherer Schalter für Kühlgerät

Title (fr)
Commutateur anti-déflagrant pour appareil de réfrigération

Publication
EP 0777091 A3 20000503 (EN)

Application
EP 96118340 A 19961115

Priority
IT PN950045 U 19951129

Abstract (en)
[origin: EP0777091A2] Refrigeration apparatus comprising a circuit containing inflammable gases, at least a sealed electric switch accessible externally by the atmosphere in the storage compartment, and provided with a member (1) adapted to move relatively to the position of the door to supply power to the lamp, and provided externally with a sealed rigid body (4) and an elastic element (2) having a substantially concave shape, preferably a bell-like shape, and applied with its concavity around said moving member (1) so that the edge of said concavity sealingly closes against said sealed rigid body (4) along a perimeter that entirely surrounds the zone in which said moving member passes through into said sealed rigid body. In a preferred manner, the free rim (6) is elastically engaged around a projection (3) of the body (4) of said switch, while the zone in which said free rim (6) is engaged is pressure-locked in position by an appropriate unremovable locking element (8). At least an electric terminal (23,24) comes out the side of the switch which is substantially opposite to the side in which said moving member (1) is situated, while the switch is adapted to be applied by snap-fitting by means of two elastic engaging elements (11,12) opposing each other.

IPC 1-7
F25D 29/00; **H01H 13/06**

IPC 8 full level
F25D 29/00 (2006.01); **H01H 13/06** (2006.01); **H01H 9/04** (2006.01)

CPC (source: EP)
F25D 29/00 (2013.01); **H01H 13/06** (2013.01); **F25B 2400/12** (2013.01); **H01H 9/042** (2013.01); **H01H 2009/048** (2013.01)

Citation (search report)
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Designated contracting state (EPC)
DE DK ES FR GB IT SE

DOCDB simple family (publication)
EP 0777091 A2 19970604; **EP 0777091 A3 20000503**; IT 238871 Y1 20001115; IT PN950045 U1 19970529; IT PN950045 V0 19951129

DOCDB simple family (application)
EP 96118340 A 19961115; IT PN950045 U 19951129