

Title (en)

Refrigeration apparatus with explosion-proof switch.

Title (de)

Kühlgerät mit explosionssicherem Schalter.

Title (fr)

Appareil de refroidissement avec interrupteur inextensible.

Publication

EP 0683368 A1 19951122 (EN)

Application

EP 95105706 A 19950415

Priority

IT PN940031 A 19940520

Abstract (en)

Refrigeration apparatus comprising one or more refrigerating circuits containing inflammable gases and consisting of at least a compressor, a condenser, one or more evaporators associated to at least a food storage compartment, said compartment accomodating at least an electrical switch that is accessible by the atmosphere of said compartment, wherein the electrical contacts of said switch are enclosed in an air-tight enclosure (6), said switch consisting of at least a pair of ferromagnetic metal blades (1, 2) enclosed in said enclosure (6) and adapted to establish a contact with and separate from each other. Externally with respect to said enclosure (6) there is arranged a moving member (8) which is constrained into moving into definite positions by an appropriate guiding provision (9) and is associated with a magnetic element (7) adapted to act on the mutual position of said blades which move into a contact position or a separation position according to the position of said moving member. <IMAGE>

IPC 1-7

F25D 29/00; **H01H 1/66**; **H01H 36/00**

IPC 8 full level

F25D 29/00 (2006.01); **H01H 36/00** (2006.01)

CPC (source: EP)

F25D 29/00 (2013.01); **H01H 36/0006** (2013.01); **F25B 2400/12** (2013.01)

Citation (search report)

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- [Y] DE 2905598 A1 19800828 - HENGSTENBERG WERNER
- [Y] US 3974469 A 19760810 - NICHOLLS BRYAN FREDERICK
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Designated contracting state (EPC)

DE DK ES FR GB IT SE

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EP 0683368 A1 19951122; CN 1123904 A 19960605; IT 1267721 B1 19970207; IT PN940031 A0 19940520; IT PN940031 A1 19951120

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