

Title (en)

ELECTRICAL COMMUTATION APPLIANCE COMPRISING A GAS-PROOF CONTACT PROTECTING COVER

Publication

EP 0164276 B1 19870909 (FR)

Application

EP 85400449 A 19850308

Priority

FR 8404826 A 19840328

Abstract (en)

[origin: US4638275A] An electric switching unit for preventing oxidation of copper-base contacts in contactors comprises a body (2), comprises an electromagnet (11) having a stationary yoke (7) and a moving armature (15) in cooperating relation with a plurality of switches (36). A protective casing (42) is fixed on the body so as to contain the switches. The contact-studs (30, 31, 32, 33) of the switches (36) essentially have a base of cuprous materials while a non-oxidizing atmosphere is confined and maintained beneath the protective casing (42) by seals (55, 23, 47). The seals are placed on the one hand between the moving armature (15) and a first face (21) of the body (2) and on the other hand between the casing (42) and a second face (41) of the body which is opposite to the first face.

IPC 1-7

H01H 50/22; **H01H 9/04**; **H01H 1/66**

IPC 8 full level

H01H 50/54 (2006.01); **H01H 1/66** (2006.01); **H01H 9/04** (2006.01); **H01H 50/22** (2006.01)

CPC (source: EP US)

H01H 1/66 (2013.01 - EP US); **H01H 9/04** (2013.01 - EP US); **H01H 50/22** (2013.01 - EP US); **H01H 2050/025** (2013.01 - EP US)

Cited by

EP0172442A3; DE3817361A1; FR2616008A1

Designated contracting state (EPC)

DE GB IT SE

DOCDB simple family (publication)

FR 2562321 A1 19851004; **FR 2562321 B1 19860801**; DE 164276 T1 19860410; DE 3560612 D1 19871015; EP 0164276 A1 19851211; EP 0164276 B1 19870909; JP H0527933 B2 19930422; JP S60236428 A 19851125; US 4638275 A 19870120

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