

Title (en)  
POLARISED ELECTROMAGNETIC RELAYS

Publication  
**EP 0147681 B1 19870923 (DE)**

Application  
**EP 84114716 A 19841204**

Priority  
DE 3347602 A 19831230

Abstract (en)  
[origin: US4602230A] An improved polarized relay characterized by a coil body being received in a recess of a base body along with a permanent magnet arrangement which has a pair of pole plates extending in a common plane with portions bent to form an air gap for receiving a free end of an armature, a flux plate extending perpendicular to the axis of the coil and having a recess to mount the armature and segments extending parallel to the pole plates to form spaces for receiving at least one permanent magnet with the recess being entirely closed by a protective covering so that the only exposure of the magnet arrangement and coil to the contacts is through an opening in which the armature extends to actuate the movable contact element. The polarized relay due to the insulation of the magnet arrangement and the coil is particularly adapted for contacts handling high currents at high ambient temperatures.

IPC 1-7  
**H01H 51/22**

IPC 8 full level  
**H01H 51/22** (2006.01); **H01H 51/24** (2006.01); **H01H 1/58** (2006.01); **H01H 50/14** (2006.01)

CPC (source: EP US)  
**H01H 51/2245** (2013.01 - EP US); **H01H 1/5805** (2013.01 - EP US); **H01H 50/14** (2013.01 - EP US)

Cited by  
EP1467394A1; EP2037469A1; CN109417001A; EP0476183A3; US10541097B2; WO2018011060A1

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