

Title (en)  
POLARISED ELECTROMAGNETIC RELAY

Publication  
**EP 0074577 B1 19850807 (DE)**

Application  
**EP 82108122 A 19820902**

Priority  
DE 3135171 A 19810904

Abstract (en)  
[origin: US4475093A] A polarized electromagnetic relay has two L-shaped yokes with a permanent magnet disposed therebetween. Each yoke has a long leg and a short leg with a coil wound around the long legs of the yokes. The long leg of a similarly L-shaped armature is also disposed between the long legs of the yokes and the armature is pivotally mounted at its short leg so that the free end of the long leg of the armature executes switching movements between the short yoke legs and forms a rectangle in combination with the yoke arrangement. The armature may be mounted centrally or single-sided with respect to the yoke legs for monostable or bistable switching behavior of the relay. The compact arrangement of the yokes and armature permits a number of contact elements to be disposed beneath the coil at both sides of the long armature leg, with the armature causing movement of spaced spring contact elements for making and breaking with corresponding fixed contact elements.

IPC 1-7  
**H01H 51/22**; **H01H 50/28**

IPC 8 full level  
**H01H 50/14** (2006.01); **H01H 49/00** (2006.01); **H01H 50/16** (2006.01); **H01H 50/18** (2006.01); **H01H 50/28** (2006.01); **H01H 50/34** (2006.01); **H01H 50/42** (2006.01); **H01H 50/54** (2006.01); **H01H 51/22** (2006.01); **H01H 51/24** (2006.01)

CPC (source: EP US)  
**H01H 49/00** (2013.01 - EP US); **H01H 50/28** (2013.01 - EP US); **H01H 50/548** (2013.01 - EP US); **H01H 51/2245** (2013.01 - EP US); **H01H 2050/044** (2013.01 - EP US)

Cited by  
EP0130423A3; EP0127309A1; US4673908A; EP0360271A3; US5150090A

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**EP 0105412 A1 19840418**; DE 3135171 A1 19830317; DE 3265234 D1 19850912; EP 0074577 A1 19830323; EP 0074577 B1 19850807; JP H02223122 A 19900905; JP H0346938 B2 19910717; JP S5854527 A 19830331; US 4475093 A 19841002

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**EP 83109413 A 19820902**; DE 3135171 A 19810904; DE 3265234 T 19820902; EP 82108122 A 19820902; JP 15184582 A 19820902; JP 22475189 A 19890901; US 40962682 A 19820819