

Title (en)
POLARIZED ELECTROMAGNETIC MINIATURE RELAY

Publication
EP 0167942 B1 19890315 (DE)

Application
EP 85108025 A 19850628

Priority
DE 3424464 A 19840703

Abstract (en)
[origin: US4609896A] A polarized miniature relay incorporates a rod-shaped armature pivotally mounted at one end and axially arranged within the coil member with its free end projecting between two oppositely magnetically polarized pole shoes coupled with two opposite poles of a quadripole permanent magnet. A flux plate is connected to the other poles of the permanent magnet and has an aperture which supports the armature for pivoting motion in contact therewith. A very low reluctance for the magnetic circuit results in the magnetic flux paths of the relay.

IPC 1-7
H01H 50/60; **H01H 51/22**

IPC 8 full level
H01H 50/16 (2006.01); **H01H 50/60** (2006.01); **H01H 51/22** (2006.01)

CPC (source: EP US)
H01H 50/16 (2013.01 - EP US); **H01H 51/2245** (2013.01 - EP US)

Citation (examination)
EP 0089670 A2 19830928 - SIEMENS AG [DE]

Designated contracting state (EPC)
CH DE FR GB LI

DOCDB simple family (publication)
EP 0167942 A1 19860115; **EP 0167942 B1 19890315**; DE 3424464 A1 19860116; DE 3568905 D1 19890420; JP S6132321 A 19860215; US 4609896 A 19860902

DOCDB simple family (application)
EP 85108025 A 19850628; DE 3424464 A 19840703; DE 3568905 T 19850628; JP 14487685 A 19850703; US 74612585 A 19850618