

Title (en)
RELAY

Publication
EP 0033841 B1 19840530 (DE)

Application
EP 81100122 A 19810109

Priority
DE 3002079 A 19800121

Abstract (en)
[origin: ES8200967A1] The relay contains an excitation coil, a U-shaped yoke with one of its legs serving as the core of the coil, and an armature to operate at least one switching contact of a contact carrier unit. This unit contains a supporting bridge which extends essentially perpendicularly to the axis of the coil and which carries the contact finger(s) of the switching contact(s). The contact carrier unit is fastened to the free leg of the yoke. One edge of the face end of the free yoke leg serves as knife-edge bearing for the armature. The armature is fastened to the free yoke leg by a holding element. In order to make the relay compact and easy to assemble, the armature is angularly formed, thus having a magnetically active leg and a free leg. The free leg which does interact with the core of the coil extends essentially parallel to the free yoke leg. The contact fingers are positioned essentially parallel to the axis of the coil. The supporting bridge is provided with a fastening piece. By means of this piece, the contact carrier unit is fastened through a single screw on that part of the free yoke leg which is not covered by the free leg of the armature.

IPC 1-7
H01H 50/04; **H01H 51/06**

IPC 8 full level
H01H 50/04 (2006.01); **H01H 51/06** (2006.01)

CPC (source: EP US)
H01H 50/042 (2013.01 - EP US); **H01H 51/06** (2013.01 - EP US)

Cited by
EP0293722A1; EP0291019A1

Designated contracting state (EPC)
AT CH DE FR GB IT LI SE

DOCDB simple family (publication)
EP 0033841 A2 19810819; **EP 0033841 A3 19810902**; **EP 0033841 B1 19840530**; AT E7746 T1 19840615; BR 8100295 A 19810804; DE 3002079 A1 19810723; DE 3163781 D1 19840705; ES 498659 A0 19811116; ES 8200967 A1 19811116; JP S56109424 A 19810829; PT 72369 A 19810201; PT 72369 B 19820105; US 4346359 A 19820824

DOCDB simple family (application)
EP 81100122 A 19810109; AT 81100122 T 19810109; BR 8100295 A 19810119; DE 3002079 A 19800121; DE 3163781 T 19810109; ES 498659 A 19810120; JP 780081 A 19810121; PT 7236981 A 19810120; US 22671881 A 19810121