

Title (en)
ELECTROMAGNETIC RELAY

Publication
EP 0117451 B1 19860716 (EN)

Application
EP 84100961 A 19840131

Priority
• JP 1414483 A 19830131
• JP 3233883 A 19830228

Abstract (en)
[origin: EP0117451A1] An electromagnetic relay includes a coil assembly 2 with a coil 20 and an iron core 21 extending through the coil 20, an armature assembly with a pair of frame-shaped upper and lower armatures 3, 4 disposed parallel to each other and so as to surround the coil 20, and a pair of contact units 6, 8 operated by the armature assembly. The coil 20 is covered with a molded portion 23 which has a pair of lateral studs 24 integrally formed with it, the studs 24 defining a horizontal axis about which the armature assembly is pivotal. High accuracy in the positional relation between the pole faces formed by extending ends of the iron core 21 and the respective ends of the armatures 3, 4 cooperating with the pole faces is achieved by the fact that both the pole faces provided on the iron core 21 and the studs 24 form part of the coil assembly which is formed as one common block. At the same time, a very thin relay is obtained since the overall vertical dimension of the relay may be restricted to the height of the coil.

IPC 1-7
H01H 51/22; **H01H 50/16**

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

CPC (source: EP)
H01H 50/16 (2013.01); **H01H 51/2281** (2013.01)

Cited by
EP0865060A3; EP0272409A1; US4772865A; EP0204346A3; US4831348A

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