

Title (en)
ELECTROMAGNETIC RELAY

Publication
EP 0056840 B1 19850206 (DE)

Application
EP 81108233 A 19811012

Priority
DE 3102011 A 19810122

Abstract (en)
[origin: US4389626A] An electromagnetic relay has a coil core body with a hollow interior and a movable contact element disposed in the interior approximately parallel to the longitudinal axis of the core body, the movable contact element having one end fixed in a vertical wall which closes one end of the hollow interior. The free movable end of the movable contact element makes and breaks with two stationary contacts embedded in an encapsulation wall which closes the other end of the hollow interior. The encapsulation wall is comprised of two separate adjacent parts, one part being formed as a part of the one-piece core body and the other part being separately manufactured and being inserted in place to encapsulate the hollow interior. The encapsulation wall has recesses permitting exterior access to the stationary contacts for adjustment purposes. After adjustment, pole plates are inserted into the recesses for ferromagnetically coupling the stationary contacts to a permanent magnet as well as to a ferromagnetic housing cover. The entire relay is sealed with casting compound.

IPC 1-7
H01H 51/22; **H01H 50/04**

IPC 8 full level
H01H 50/16 (2006.01); **H01H 49/00** (2006.01); **H01H 50/02** (2006.01); **H01H 50/04** (2006.01); **H01H 50/18** (2006.01); **H01H 50/44** (2006.01); **H01H 50/56** (2006.01); **H01H 51/22** (2006.01)

CPC (source: EP US)
H01H 50/023 (2013.01 - EP US); **H01H 51/2254** (2013.01 - EP US)

Citation (examination)
• DE 2011044 A1 19710401 - ELESTA AG ELEKTRONIK
• DE 2723220 B1 19781123 - SIEMENS AG

Cited by
EP0178575A3; WO9742643A1

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