

Title (en)
ELECTROMAGNETIC RELAY

Publication
EP 0252344 B1 19910619 (DE)

Application
EP 87108722 A 19870616

Priority
DE 3620937 A 19860623

Abstract (en)
[origin: US4740769A] A relay includes a spool, or coil (3 and 4), and a yoke (5) next to the spool. In front of the spool, an armature (8) that activates a contact spring (16) is accommodated in a contact space positioned upstream in one of the free sides of the armature. The contact spring has an initial leg (16a) extending straight across the overall width of the relay and a U-shaped second leg (16b) mounted on the first. The free end of the U-shaped spring leg (16b) operates in conjunction with two reciprocal-contact elements (13 and 14). The generally Y shape results in a contact spring (16) with a maximum possible free length and hence a low spring constant, meaning a low relay-response output, while retaining the prescribed compact design.

IPC 1-7
H01H 50/60

IPC 8 full level
H01H 1/26 (2006.01); **H01H 50/56** (2006.01); **H01H 50/60** (2006.01)

CPC (source: EP US)
H01H 50/60 (2013.01 - EP US); **H01H 1/5822** (2013.01 - EP US)

Cited by
EP2447976A4; EP3059754A1; US11887797B2; US10607799B2; EP3059754B1

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