

Title (en)
ELECTROMAGNETIC RELAY AND PROCESS FOR MANUFACTURING IT.

Title (de)
ELEKTROMAGNETISCHES RELAIS UND VERFAHREN ZU DESSEN HERSTELLUNG.

Title (fr)
RELAIS ELECTROMAGNETIQUE ET SON PROCEDE DE PRODUCTION.

Publication
EP 0524171 B1 19940810

Application
EP 90916458 A 19901119

Priority
• DE 4011402 A 19900409
• DE 9000890 W 19901119

Abstract (en)
[origin: WO9115866A1] A relay with a closed housing cap (1) on the top has a magnetic system with coil (8), yoke (10) and armature (11) arranged in the upper region of the cap, while a contact system (5, 6, 7) is fastened in the lower region in the vicinity of the connection side of the relay. Each coil connection element (20) for connecting the coil winding is embedded in a side wall of the cap (1) in such a manner that each end of said elements terminates on the top of the cap in a depression (18) open to the exterior. Winding support elements (15) provided on the coil body are inserted in these depressions when the magnetic system is assembled. The ends of the winding support elements (15) and of the coil connection elements (20) can then be connected electrically from the outside by soldering or with conductive adhesive. The connection so formed between the ends of the winding of the coil (8) and corresponding connecting pins (20a) on the underside of the relay is compact but nevertheless insulated from the iron components of the magnet system and from the contact elements.

IPC 1-7
H01H 50/04

IPC 8 full level
H01H 49/00 (2006.01); **H01H 50/02** (2006.01); **H01H 50/04** (2006.01)

CPC (source: EP US)
H01H 50/026 (2013.01 - EP US)

Cited by
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WO 9115866 A1 19911017; AT E109923 T1 19940815; DE 4011402 A1 19911010; DE 59006799 D1 19940915; EP 0524171 A1 19930127; EP 0524171 B1 19940810; ES 2057599 T3 19941016; JP H05506121 A 19930902; US 5289145 A 19940222

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