

Title (en)
Electromagnetic relay

Title (de)
Elektromagnetisches Relais

Title (fr)
Relais électromagnétique

Publication
EP 0872865 B1 19990714 (DE)

Application
EP 98106774 A 19980414

Priority
DE 19715913 A 19970416

Abstract (en)
[origin: US5894254A] A relay is formed by a magnet system containing a wound coil body, an L-shaped core arranged axially therein, an L-shaped armature and a base element with terminal elements. Stationary and moving contact elements are arranged between the base element and the magnet system. The armature is mounted with the free end of its transverse leg at the free end of the longitudinal leg of the core. The armature is secured through a U-shaped armature spring wrapping around the armature. The spring is secured with one arm at the longitudinal leg of the armature and a second arm is inserted in a recess between the coil body and the core. The actuation of the moving contact elements is provided via a slide coupled to the armature. This slide is hooked to the armature by spring tabs of the armature spring at opposing sides of the armature through snap latches formed at the ends of the side arms of the slide.

IPC 1-7
H01H 50/28

IPC 8 full level
H01H 50/04 (2006.01); **H01H 50/24** (2006.01); **H01H 50/28** (2006.01); **H01H 50/64** (2006.01)

CPC (source: EP US)
H01H 50/28 (2013.01 - EP US); **H01H 50/641** (2013.01 - EP US); **H01H 2050/046** (2013.01 - EP US)

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

DOCDB simple family (publication)
US 5894254 A 19990413; AT E182231 T1 19990715; DE 19715913 C1 19981008; DE 59800012 D1 19990819; EP 0872865 A1 19981021; EP 0872865 B1 19990714; JP H10321110 A 19981204

DOCDB simple family (application)
US 6152398 A 19980416; AT 98106774 T 19980414; DE 19715913 A 19970416; DE 59800012 T 19980414; EP 98106774 A 19980414; JP 10616498 A 19980416