Title (en)

POLARIZED RELAY

Title (de)

POLARISIERTES RELAIS

Title (fr)

RELAIS POLARISE

Publication

EP 0627119 B1 19971119 (EN)

Application

EP 94916815 A 19930809

Priority

- JP 9301119 W 19930809
- JP 31467592 A 19921125

Abstract (en)

[origin: WO9413002A1] A polarized relay includes a coil block having an elongated coil bobbin, a core inserted therein, and an excitation coil wound about the coil bobbin. The core has opposed pole ends projecting upwardly from longitudinal ends of the coil bobbin. A permanent magnet is interposed between the pole ends on the coil bobbin. Disposed on the coil block is an armature block which comprises an elongated generally flat armature and a set of movable springs carrying movable contacts. The movable springs are held together with the armature by means of an electrically insulating harness molded on the armature. The armature is pivotally supported on the coil block to be movable between two contact operating positions and constituting a magnetic circuit with the core and the permanent magnet for polarized operation of the armature. A terminal assembly is provided to include coil terminals leading to the excitation coil and fixed contact terminals provided respectively with fixed contacts at contact ends of the contact terminals. The polarized relay is characterized in that the coil block and the terminal assembly are molded together from an electrically insulating material into a single integral base unit on which the armature block is assembled with the movable contacts held in an engageable relation with the fixed contacts.

IPC 1-7

H01H 51/22

IPC 8 full level

H01H 50/18 (2006.01); **H01H 11/00** (2006.01); **H01H 51/22** (2006.01); **H01H 51/24** (2006.01); H01H 50/30 (2006.01)

CPC (source: EP)

H01H 11/0056 (2013.01); **H01H 51/229** (2013.01); H01H 50/30 (2013.01)

Designated contracting state (EPC)

BE CH ES FR GB IT LI NL SE

DOCDB simple family (publication)

WO 9413002 A1 19940609; CN 1032991 C 19961009; CN 1087445 A 19940601; EP 0627119 A1 19941207; EP 0627119 B1 19971119; EP 0727803 A1 19960821; EP 0727803 B1 19981014; ES 2108996 T3 19980101; ES 2122733 T3 19981216; HK 1005071 A1 19981218; IL 106626 A0 19931208; IL 106626 A 19980816; JP 2552418 B2 19961113; JP H06162898 A 19940610

DOCDB simple family (application)

JP 9301119 W 19930809; CN 93109655 A 19930805; EP 94916815 A 19930809; EP 96104408 A 19930809; ES 94916815 T 19930809; ES 96104408 T 19930809; HK 98104218 A 19980515; IL 10662693 A 19930809; JP 31467592 A 19921125