

Title (en)
POLARIZED RELAY

Title (de)
POLARISIERTES RELAIS

Title (fr)
RELAIS POLARISE

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Application
EP 94916815 A 19930809

Priority
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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.

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