

## Title (en)

Polarized electromagnetic actuator.

## Title (de)

Polarisierte elektromagnetische Betätigungsvorrichtung.

## Title (fr)

Dispositif de commande électromagnétique polarisé.

## Publication

**EP 0575980 A1 19931229 (EN)**

## Application

**EP 93110018 A 19930623**

## Priority

IT MI920636 U 19920625

## Abstract (en)

Polarized electromagnetic actuator, of the type which comprises a supporting body having cavities suitable for containing a U-shaped magnetic core, a coil, a permanent magnet, a moving keeper contrasted by return springs, and a dome and a closure baseplate; the actuator has a prism-shaped main body (1) which internally forms: a first compartment (7), suitable to contain the axially hollow coil (8); a second compartment (9) for containing the permanent magnet (10); two further separate compartments (2,2a), one (2) of which is tubular and axially formed in a central position with respect to the first compartment (7) for accommodating an arm (3) of the U-shaped core (5) so that it is insulated from the coil (8), the other compartment (2a) being provided to accommodate the second arm (4) of the core (5); and a further cavity (11) for accommodating the keeper return spring (12). The first (7) and second (9) compartments are closed upwardly so as to allow insertion of the coil (8) and of the magnet (10) from the side opposite to the one where the moving keeper (14) acts and thus eliminate any connection between the two compartments (7,9); the dome-shaped lid (22) and the closure baseplate (17) are provided with snap-acting (24,20) or similar means for their removable engagement with the supporting body (1). <IMAGE>

## IPC 1-7

**H01H 50/04**; **H01H 51/22**

## IPC 8 full level

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## CPC (source: EP)

**H01H 71/325** (2013.01); **H01H 2071/0242** (2013.01)

## Citation (search report)

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## Cited by

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## Designated contracting state (EPC)

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## DOCDB simple family (publication)

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