

Title (en)
Bistable electromagnetic relay arrangement

Title (de)
Bistabile elektromagnetische Relais-Anordnung

Title (fr)
Agencement de relais électromagnétique bistable

Publication
EP 0844638 B1 20011031 (FR)

Application
EP 97402796 A 19971120

Priority
FR 9614157 A 19961120

Abstract (en)
[origin: EP0844638A1] The structure has two L-shaped magnetic parts (1,2) which support a central permanent magnet (28) and two outer magnets and are magnetically coupled. Switches (9a,9b) are coupled to each outer magnet. An EM coil produces an electromagnetic flux which adds to the magnetic flux level from the two magnetic poles and passes across the switches in parallel, allowing switching. A magnetic rod extends along the length of the structure and the magnetic parts can pivot about the edge of the rod.

IPC 1-7
H01H 51/22

IPC 8 full level
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CPC (source: EP US)
H01H 51/22 (2013.01 - EP US); **H01H 2050/049** (2013.01 - EP US)

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