

Title (en)
ELECTROMAGNETIC ACTUATOR

Title (de)
ELEKTROMAGNETISCHER AKTUATOR

Title (fr)
ACTIONNEUR ELECTROMAGNETIQUE

Publication
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Application
EP 02779327 A 20020910

Priority
• DE 10146899 A 20010924
• EP 0210108 W 20020910

Abstract (en)
[origin: WO03030188A1] The invention relates to a bistable electromagnetic actuator, in particular a drive for a vacuum interrupter chamber, comprising a yoke, at least one permanent magnet, at least one coil and at least one displaceable armature. A first magnetic flux is generated by the armature and the yoke in such a way that the armature is held in one position and the coil generates a second magnetic flux that actuates the armature. The permanent magnet is located between the yoke and a fixed magnetic return element, in such a way that the magnetic fluxes run via the magnetic return element. In addition, the armature outside the yoke at least partially covers a front face of the yoke, said face running perpendicularly to the direction of displacement of the armature.

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Citation (examination)
• JP S59154006 A 19840903 - MATSUSHITA ELECTRIC WORKS LTD
• SE 7502136 L 19760827 - FACIT AB [SE]

Cited by
EP3061104B1

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DE FR GB

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WO 03030188 A1 20030410; CN 1285085 C 20061115; CN 1557007 A 20041222; DE 10146899 A1 20030410; EP 1430490 A1 20040623; EP 1430490 B1 20160316

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