

Title (en)

BISTABLE ELECTROMAGNETIC ACTUATOR, CONTROL CIRCUIT FOR A DUAL COIL ELECTROMAGNETIC ACTUATOR, AND DUAL COIL ELECTROMAGNETIC ACTUATOR INCLUDING SUCH CONTROL CIRCUIT

Title (de)

BISTABILER ELEKTROMAGNETISCHER AKTUATOR, STEUERSCHALTUNG FÜR EINEN ZWEISPULIGEN ELEKTROMAGNETISCHEN AKTUATOR UND ZWEISPULIGER ELEKTROMAGNETISCHER AKTUATOR MIT EINER SOLCHEN STEUERSCHALTUNG

Title (fr)

ACTIONNEUR ELECTROMAGNETIQUE BISTABLE, CIRCUIT DE COMMANDE D'UN ACTIONNEUR ELECTROMAGNETIQUE A DOUBLE BOBINES ET ACTIONNEUR ELECTROMAGNETIQUE A DOUBLE BOBINES COMPORTANT UN TEL CIRCUIT DE COMMANDE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2008135670A1] The invention relates to a bistable electromagnetic actuator that comprises a magnetic circuit (12) including a magnetic yoke (20) in which a shunt (26) extends perpendicularly to a longitudinal axis (Y) of said yoke, and including a permanent magnet (14) provided between the first face (22) of the yoke and the shunt (26). A mobile core (16) is mounted so as to be capable of axial sliding between a latching position and a release position. A coil (30, 30A, 30B) extending between the shunt (26) and a second face (24) of the yoke generates a first control magnetic flow (fC1) for moving the mobile yoke (16) from the release position (PD) to the latching position (PA). A second control magnetic flow (fC2) allows the movement of the yoke (16) from the latching position to the release position (PD) under the action of a return spring (36, 37).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2008135670A1

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