

Title (en)

ELECTROMAGNETIC ACTUATOR HAVING MAGNETIC COUPLING, AND CUTOFF DEVICE COMPRISING SUCH ACTUATOR

Title (de)

ELEKTROMAGNETISCHER BETÄTIGER MIT MAGNETISCHER KOPPLUNG UND ABSPERRVORRICHTUNG MIT DERARTIGEM AKTUATOR

Title (fr)

ACTIONNEUR ELECTROMAGNETIQUE A ACCROCHAGE MAGNETIQUE ET DISPOSITIF DE COUPURE COMPORTANT UN TEL ACTIONNEUR

Publication

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Application

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Abstract (en)

[origin: WO2011073539A1] The invention relates to an electromagnetic actuator including: a core (16) that is movable between a coupled position (PA) and an open position (PO); a permanent magnet (14); a coil (30) for generating a first control magnetic flux (?C1) for moving the core (16) from an open position (PO) to a coupled position (PA); and a second control magnetic flux (?C2) capable of facilitating the movement of the movable core (16) from the coupled position (PA) to the open position (PO). The permanent magnet (14) is positioned on the movable core (16) so as to be at least partially outside the stationary magnetic circuit, wherein flows the first control magnetic flux (?C1) in an open position (PO), and moreover so as to be at least partially inside the stationary magnetic circuit that is used for the flow of a polarization magnetic flux (?U) of the magnet (14) in a coupled position (PA).

IPC 8 full level

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