

Title (en)
ACTUATOR DEVICE AND DRIVING METHOD

Title (de)
AKTUATORVORRICHTUNG UND VERFAHREN ZUR ANSTEUERUNG

Title (fr)
DISPOSITIF D'ACTIONNEMENT ET PROCÉDÉ DE COMMANDE

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Abstract (en)
[origin: WO2012038135A1] The invention relates to an actuator device (6) having an electromagnetic actuator (2) which comprises two magnetic coils (4, 5) and an actuating element (3) that can be displaced linearly between three stable positions by means of same, the actuator device (6) having a switching bridge (9) with three bridge branches (B1, B2, B3) connected in parallel for driving the magnetic coils (4, 5), wherein each bridge branch (B1, B2, B3) comprises two switches (S1 ... S6) arranged in series, wherein a magnetic coil (4, 5) is connected in each of the two bridge diagonals (D1, D2). The invention further relates to a method for driving the magnetic coils (4, 5) of an electromagnetic actuator (2) of an actuator device (6) according to the invention.

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