

Title (en)
ELECTROMAGNETIC ACTUATING DEVICE

Title (de)
ELEKTROMAGNETISCHE STELLVORRICHTUNG

Title (fr)
DISPOSITIF DE RÉGLAGE ÉLECTROMAGNÉTIQUE

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Application
EP 14711708 A 20140310

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Abstract (en)
[origin: WO2014139926A2] The invention relates to an electromagnetic actuating device with a housing (1) and an armature (5) which can be moved in the housing (1) between two end positions and which has two mutually spaced armature disk (7, 8) and an armature shaft (6). Two annular arrangements of permanent magnets (13, 14) which are polarized radially in the same direction with respect to the axis are secured to the housing between the armature disks (7, 8) and together with the armature disks form two magnet systems and an air gap system with axially adjustable air gaps (L1, L2). An annular coil (12) which can be connected to a power source is arranged between the two permanent magnets (13, 14). The magnet systems and the air gap system are configured such that the armature (5) can be retained in each of the two end positions without exciting the coil (12) and can be moved from one respective assumed end position into the opposite end position by exciting the coil (12).

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