

Title (en)
ELECTROMAGNETIC ACTUATING APPARATUS

Title (de)
ELEKTROMAGNETISCHE BETÄTIGUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE COMMANDE ÉLECTROMAGNÉTIQUE

Publication
EP 3014635 A1 20160504 (DE)

Application
EP 14733993 A 20140614

Priority
• DE 102013010833 A 20130628
• EP 2014001618 W 20140614

Abstract (en)
[origin: WO2014206537A1] An electromagnetic actuating apparatus, in particular a proportional magnet or switching magnet, comprising a magnet armature (4), which is guided in axially movable fashion in a pole tube (2), which is at least partially surrounded by a coil winding and which is adjoined by a pole core (10) via a separating region (20) forming a magnetic decoupling, wherein, on energization of the coil winding (52), a magnetic force acts on the armature (4), which magnetic force attempts to move said armature (4) in the direction of the pole core (10) within a travel area, characterized in that at least one insert (28) consisting of ferromagnetic material with a preset axial thickness can be introduced between the armature (4) and the pole core (10) in order to shorten, as desired, the axial length of the travel area.

IPC 8 full level
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Citation (search report)
See references of WO 2014206537A1

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