

Title (en)
Magnetic actuator arrangement

Title (de)
Magnetischer betätigter Anordnung

Title (fr)
Disposition d'actionneur magnétique

Publication
EP 0771018 A3 19980819 (EN)

Application
EP 96307626 A 19961021

Priority
GB 9521822 A 19951025

Abstract (en)
[origin: EP0771018A2] A magnetic actuator arrangement, principally for a vacuum switching apparatus, employs, instead of precision ball-joint bearings (16) supporting the armature (14), simple bushes (40) with an inside diameter deliberately greater than the outside diameter of the armature spindle (15), such that the armature (14) is a loose fit inside the bushes (40). The effect of this is to enable the armature (14) to make non-rotational movements in the plane perpendicular to the spindle (15), and so automatically to assume a properly seated position with respect to the pole pieces (21, 22) of the magnets (10, 11) when the latter are energised, thereby eliminating an undesirable vibration at the magnet-armature interface. With conventional bearings having negligible play, this can only be done after time-consuming manual adjustment of the bearing locations by skilled technical personnel. <IMAGE>

IPC 1-7
H01H 50/24; **H01H 50/30**

IPC 8 full level
H01H 50/24 (2006.01); **H01H 50/30** (2006.01); **H01H 33/02** (2006.01); **H01H 33/66** (2006.01)

CPC (source: EP)
H01H 50/24 (2013.01); **H01H 50/305** (2013.01); **H01H 33/022** (2013.01); **H01H 33/666** (2013.01)

Citation (search report)
• [XY] GB 359420 A 19311021 - ALLEN WEST & CO LTD
• [Y] US 2891200 A 19590616 - HOWARD CARPENTER RUPERT EVAN

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0771018 A2 19970502; **EP 0771018 A3 19980819**; GB 2306788 A 19970507; GB 2306788 B 20000426; GB 9521822 D0 19960103

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EP 96307626 A 19961021; GB 9521822 A 19951025