

Title (en)
Electromechanical actuator

Title (de)
Elektromagnetischer Stelltrieb

Title (fr)
Actionneur électromagnétique

Publication
EP 1030010 A2 20000823 (EN)

Application
EP 00301338 A 20000221

Priority
• EP 00301338 A 20000221
• EP 99301911 A 19990312
• FI 990357 A 19990219

Abstract (en)
An electromechanical actuator comprising a body element (1) and an elongate interaction means (3, 3', 3''), one of which is provided with electromagnetic means (2) and the other of which comprises ferromagnetic material or a permanent magnet. The body element and interaction means are arranged with respect to each other so that a rotational motion may be imparted to the interaction means (3, 3', 3'') by means of a created magnetic field. The interaction means (3, 3', 3'') is rotatable between two rotational positions by altering the polarity of the electromagnetic means. When in one rotational position, the interaction means (3, 3', 3'') is displaceable in a direction of its rotation axis, by the application of an external force. The interaction means is arranged to co-operate with the body element (1) in a manner such that they together define the freedom of operation of the interaction means (3, 3', 3'') in the axial direction. <IMAGE>

IPC 1-7
E05B 47/06; **H01F 7/17**

IPC 8 full level
E05B 47/06 (2006.01); **H01F 7/17** (2006.01); **E05B 21/06** (2006.01)

CPC (source: EP)
E05B 47/0642 (2013.01); **H01F 7/17** (2013.01); **E05B 21/066** (2013.01); **E05B 47/0005** (2013.01); **E05B 2047/0092** (2013.01)

Cited by
US7076976B1; NL1028015C2; EP2840205A1; WO2009000008A1; WO2004072418A1; WO2007112830A1; WO03100199A1; WO2022043112A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 1030010 A2 20000823; **EP 1030010 A3 20020109**

DOCDB simple family (application)
EP 00301338 A 20000221