

Title (en)  
ELECTRODYNAMIC ACTUATOR

Title (de)  
ELEKTRODYNAMISCHER AKTUATOR

Title (fr)  
ACTIONNEUR ÉLECTRODYNAMIQUE

Publication  
**EP 2373901 A1 20111012 (EN)**

Application  
**EP 09830660 A 20091130**

Priority  
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Abstract (en)  
[origin: WO2010064978A1] An electrodynamic actuator (1) comprises a stator actuator part (21) having a stator magnetic circuit member (22), and a rotor actuator part (11) having a rotationally symmetric rotor magnetic circuit member (12). The actuator further comprises a magnet (31) inducing a magnetic flux (32) through a magnetic circuit (30) comprising the stator and rotor magnetic circuit members. A first side (15) of the rotor magnetic circuit member faces a first side (25) of the stator magnetic circuit member, both exhibiting a variable reluctance or a variable magnetization in a radial direction (3). The stator actuator part further comprises an electrically conducting loop (40) encircling a portion (28) of the stator magnetic circuit member, which portion is arranged for conducting a magnetic flux through the electrically conducting loop. The portion is arranged for causing the flux to change when the rotor and stator actuator parts are moved radially relative each other.

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