

Title (en)  
ELECTROMAGNETIC ACTUATOR

Title (de)  
ELEKTROMAGNETISCHER AKTUATOR

Title (fr)  
ACTIONNEUR ÉLECTROMAGNÉTIQUE

Publication  
**EP 4032173 A1 20220727 (DE)**

Application  
**EP 20771816 A 20200910**

Priority  
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Abstract (en)  
[origin: WO2021052862A1] The invention relates to an electromagnetic actuator (10) comprising: a first object (12) having at least one magnet (14); and a second object (16) having at least one magnet (18). The first object (12) and the second object (16) can be moved relative to one another. The first object (12) is an oscillator and the second object (16) is a stator, or the first object (12) is a stator and the second object (16) is an oscillator. The first object (12) is located substantially inside the second object (16). The actuator has at least one first actuator side (20, 22) at which magnets (14, 18) of the first object (12) and of the second object (16) are operatively opposite each other. An uneven number of poles of one object lie opposite an even number of poles of the other object at said at least one actuator side (20, 22).

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