

Title (en)  
MAGNETIC DRIVE SYSTEM FOR A SWITCHGEAR

Title (de)  
MAGNETISCHES ANTRIEBSSYSTEM FÜR EINE SCHALTEINRICHTUNG

Title (fr)  
SYSTÈME DE PROPULSION MAGNÉTIQUE POUR DISPOSITIF DE COMMUTATION

Publication  
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Application  
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Abstract (en)  
[origin: WO2008151959A1] The invention relates to a magnetic drive system for a switchgear having a magnet yoke (2, 3) in which a solid armature (8) made of magnetic material is guided in a linearly displaceable manner between two opposing end positions, having at least one permanent magnet (6, 7) for generating a magnetic flux in the magnet yoke (2, 3), and having at least one coil by which the armature (8) can be moved back and forth between the end positions thereof, the armature (8) being provided with elongated hollow channels (11, 12, 13) for preventing eddy current losses. So as not to excessively reduce the stability of the armature (8) by the channels made therein (11, 12, 13, 13'), the invention provides for the channels (11, 12, 13, 13') in the armature (8) to be designed in a closed fashion on the circumference thereof.

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