

Title (en)
ELECTROMAGNETIC AND DYNAMIC ACTUATOR FOR ACTIVE ASSEMBLY BEARINGS

Title (de)
ELEKTROMAGNETISCHER UND DYNAMISCHER AKTUATOR FÜR AKTIVE AGGREGATLAGER

Title (fr)
ACTIONNEUR ÉLECTROMAGNÉTIQUE ET DYNAMIQUE POUR SUPPORTS ACTIFS DE GROUPE

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Application
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Abstract (en)
[origin: WO2015107012A1] The invention relates to an actuator (1) for motor bearings, comprising - an electrically conductive cylinder coil (2), - a first magnet core (3) made of a ferromagnetic material, - a second magnet core (4) made of a ferromagnetic material, and - at least one permanent magnet (5), the magnetizing direction of which is oriented perpendicularly to the longitudinal axis (12) of the cylinder coil (2). The first and second magnet core (3, 4) are arranged in a movable manner relative to each other in the direction of the longitudinal axis (12) of the cylinder coil (2). The invention is characterized in that the first magnet core (3) substantially surrounds the cylinder coil (2) and is interrupted by a non-magnetic separating element (10) at a cylinder coil (2) lateral face facing the permanent magnet (5), and the permanent magnet (5) is designed so as to be interrupted at least once in the direction of the longitudinal axis (12) of the cylinder coil (2) and has at least two parts (5a, 5b).

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