

Title (en)
BEARING AND DRIVING SYSTEM

Title (de)
LAGER- UND ANTRIEBSSYSTEM

Title (fr)
SYSTÈME DE PALIER ET D'ENTRAÎNEMENT

Publication
EP 2929197 A1 20151014 (DE)

Application
EP 13811762 A 20131203

Priority
• AT 505552012 A 20121204
• AT 2013050232 W 20131203

Abstract (en)
[origin: WO2014085839A1] A bearing and drive system (1) comprising at least one electric engine (2) together with a control (50), wherein the bearing force of the respective bearing degree of freedom of the engine (2) can be actively influenced, also comprising an actively influenceable bearing (6, 7), which operates in a contact-free manner, together with a control (55). The control (56) of the engine (2) has two operating modes, of which one operating mode minimizes the effects of force of the electric engine (2) on the bearing degrees of freedom concerned, and the other operating mode actively generates a bearing force of the electric engine (2) in order to support the bearing. A detection and switching unit (52', 52'') for switching between the two operating modes when at least one operating parameter exceeds or drops below a predetermined limit value is provided, and a regulating or control unit (35) for the engine (2') and the bearing (6, 7) is connected to said detection and switching unit.

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Citation (search report)
See references of WO 2014085839A1

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