

Title (en)

AXIALLY LOADABLE ROLLING BEARING ASSEMBLY WITH MAGNETIC PRELOAD DEVICE

Title (de)

AXIAL BELASTBARE WÄRLZLAGERANORDNUNG MIT MAGNETISCHER VORLASTEINRICHTUNG

Title (fr)

AGENCEMENT DE PALIER À ROULEMENT CHARGEABLE AXIALEMENT AVEC DISPOSITIF DE PRÉCHARGE MAGNÉTIQUE

Publication

**EP 2742248 A1 20140618 (DE)**

Application

**EP 12746092 A 20120810**

Priority

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- EP 2012065706 W 20120810

Abstract (en)

[origin: WO2013021047A1] A bearing arrangement comprises an axially loadable rolling bearing with a bearing inner ring (2) and a bearing outer ring (4) spaced away from the bearing inner ring (2) in a radial direction (6). The bearing arrangement further comprises a magnet arrangement with at least one permanent magnet (16; 24a, 24b), the magnet arrangement being coupled to the bearing inner ring (2) or the bearing outer ring (4) in such a manner that an attraction force generated by the magnet arrangement that acts in an axial direction (10) effects a force acting in the axial direction (10) between the bearing inner ring (2) and the bearing outer ring (4), the force being used for pre-tensioning the rolling bearing in a main load direction of the rolling bearing.

IPC 8 full level

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CPC (source: EP)

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See references of WO 2013021047A1

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