

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

- DE 102011080796 A 20110811
- 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

F16C 25/08 (2006.01)

CPC (source: EP)

F16C 19/163 (2013.01); **F16C 25/086** (2013.01); **F16C 19/06** (2013.01); **F16C 39/063** (2013.01)

Citation (search report)

See references of WO 2013021047A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

DE 102011080796 A1 20130214; **DE 102011080796 B4 20230525**; EP 2742248 A1 20140618; WO 2013021047 A1 20130214

DOCDB simple family (application)

DE 102011080796 A 20110811; EP 12746092 A 20120810; EP 2012065706 W 20120810