

Title (en)
BEARING ASSEMBLY

Title (de)
LAGERANORDNUNG

Title (fr)
ENSEMBLE PALIER

Publication
EP 2126386 A1 20091202 (DE)

Application
EP 07846346 A 20071117

Priority

- DE 2007002083 W 20071117
- DE 102007004998 A 20070201
- DE 2007001685 W 20070918

Abstract (en)
[origin: WO2008092415A1] The invention relates to a pivot bearing assembly (2, 2', 2'') for a shaft (18, 18') or similar that is to be axially guided with precision in a component, for example a housing (22), said shaft being stressed to differing degrees and/or for different periods of time in the two axial directions. The pivot bearing assembly (2) comprises a single-row angular contact ball bearing (4) and a single-row cylindrical roller bearing (6). The angular contact ball bearing (4) is designed to receive the greater main load (20) that occurs during operation, whilst the smaller return force that acts in opposition is absorbed by the cylindrical roller bearing (6) in addition to the radial forces. The quantity of equipment required to absorb the small return force that in general only occurs periodically can thus be kept to a minimum.

IPC 8 full level
F16C 19/49 (2006.01); **F16C 19/54** (2006.01); **F16C 33/60** (2006.01); **F16C 35/06** (2006.01)

CPC (source: EP KR US)
F16C 19/49 (2013.01 - EP KR US); **F16C 19/54** (2013.01 - KR); **F16C 33/60** (2013.01 - KR); **F16C 33/605** (2013.01 - EP US); **F16C 35/06** (2013.01 - EP KR US); **F16C 19/54** (2013.01 - EP US)

Citation (search report)
See references of WO 2008092416A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 102007004998 A1 20080807; EP 2126386 A1 20091202; JP 2010518324 A 20100527; KR 20090104132 A 20091005; US 2010061672 A1 20100311; WO 2008092415 A1 20080807; WO 2008092416 A1 20080807

DOCDB simple family (application)
DE 102007004998 A 20070201; DE 2007001685 W 20070918; DE 2007002083 W 20071117; EP 07846346 A 20071117; JP 2009547520 A 20071117; KR 20097017919 A 20071117; US 52536807 A 20071117