

Title (en)

A PRE-LOADING DEVICE FOR A RADIAL-BEARING UNIT

Title (de)

VORSPANNUNGSVORRICHTUNG FÜR RADIALLAGEREINHEIT

Title (fr)

DISPOSITIF DE PRECHARGEMENT POUR ENSEMBLE A PALIER RADIAL

Publication

**EP 0861382 A1 19980902 (EN)**

Application

**EP 96910438 A 19960313**

Priority

- SE 9501170 A 19950331
- US 9603396 W 19960313

Abstract (en)

[origin: WO9630661A1] Axially spaced radial bearing units (30, 50) for a shaft assembly are pre-loaded by hydraulic pressure. Each of the bearing units is mounted to an axially displaceable seat (40, 60). The pre-loading pressure between the two bearing units (30, 50) is maintained at a constant pre-loading pressure by a hydraulic pressure which is exerted in chambers (44, 64) partially defined by the seats. A pressure accumulator (70) supplies pressure to the chambers (44, 64) so that a constant pre-loading pressure may be applied to the radial bearing units (30, 50) while allowing for axial displacement of the bearing units and the shaft (12).

IPC 1-7

**F16C 23/06**

IPC 8 full level

**F16C 19/36** (2006.01); **F16C 19/54** (2006.01); **F16C 23/00** (2006.01); **F16C 25/00** (2006.01); **F16C 25/06** (2006.01); **F16C 25/08** (2006.01); **F16C 35/06** (2006.01)

CPC (source: EP)

**F16C 19/36** (2013.01); **F16C 19/548** (2013.01); **F16C 23/00** (2013.01); **F16C 25/06** (2013.01); **F16C 25/08** (2013.01); **F16C 19/30** (2013.01)

Cited by

US4490274A

Designated contracting state (EPC)

AT CH DE DK FI FR GB GR LI

DOCDB simple family (publication)

**WO 9630661 A1 19961003**; CA 2216706 A1 19961003; CA 2216706 C 20010710; EP 0861382 A1 19980902; EP 0861382 A4 19980902; NO 974410 D0 19970924; NO 974410 L 19970924; SE 506134 C2 19971117; SE 9501170 D0 19950331; SE 9501170 L 19961001

DOCDB simple family (application)

**US 9603396 W 19960313**; CA 2216706 A 19960313; EP 96910438 A 19960313; NO 974410 A 19970924; SE 9501170 A 19950331