

Title (en)

BEARING-RING ELEMENT AND METHOD FOR CONNECTING BEARING-RING ELEMENTS

Title (de)

LAGERRINGELEMENT UND VERFAHREN ZUM VERBINDEN VON LAGERRINGELEMENTEN

Title (fr)

ÉLÉMENT DE BAGUE DE PALIER ET PROCÉDÉ DE LIAISON D'ÉLÉMENTS DE BAGUE DE PALIER

Publication

**EP 2652349 A1 20131023 (DE)**

Application

**EP 11799154 A 20111212**

Priority

- DE 102010063349 A 20101217
- EP 2011072438 W 20111212

Abstract (en)

[origin: WO2012080164A1] According to the present concept, a receiving chamber (13) is made in a bearing-ring half (10) on the end side (12) of the latter, which receiving chamber (13) is filled with an adhesive expansion material (expansion adhesive) (22) which can be activated from outside. Here, the adhesive material (22) first of all does not have any adhesive properties. Two bearing-ring halves are then joined and connected to one another non-positively. After the connection is made, the adhesive material (22) is activated and therefore caused to expand in terms of volume. Thereupon, the activated adhesive material (22) grows in volume, fills the receiving chamber and produces adhesion in a contact zone of the two mating parts. A material-to-material connection is therefore produced between the two bearing-ring halves.

IPC 8 full level

**F16C 33/60** (2006.01)

CPC (source: EP)

**F16C 33/60** (2013.01); **F16C 19/26** (2013.01); **F16C 2226/40** (2013.01); **F16C 2300/02** (2013.01)

Citation (search report)

See references of WO 2012080164A1

Citation (examination)

DE 102004018188 A1 20051110 - FAG KUGELFISCHER AG & CO OHG [DE]

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)

**WO 2012080164 A1 20120621**; DE 102010063349 A1 20120621; EP 2652349 A1 20131023

DOCDB simple family (application)

**EP 2011072438 W 20111212**; DE 102010063349 A 20101217; EP 11799154 A 20111212