

Title (en)

Bearing housing cover for a charging device

Title (de)

Lagergehäusedeckel für eine Ladeeinrichtung

Title (fr)

Couvercle de carter de palier pour un dispositif de suralimentation

Publication

EP 2365190 B1 20150909 (DE)

Application

EP 11153225 A 20110203

Priority

- DE 102010010573 A 20100308
- DE 102010025575 A 20100629

Abstract (en)

[origin: EP2365190A2] The cover (1) has a cylindrical fixing region (2) for radial fixing of a piston ring (4) and a disk-like covering region (3) to cover an inner region of a bearing housing, where the cover is formed of a metal by a mechanism such as internal high-pressure forming (IHU), deep-thawing, forging and roller burnishing. A cylindrical joining region (8) combines a bearing housing cover to the bearing housing. The joining region includes a radial groove (13) to receive a sealing element (14) and a tongue on a bearing housing side (5) to form a joining device (12). An independent claim is also included for a method for producing a bearing housing cover.

IPC 8 full level

F01D 25/00 (2006.01); **F01D 25/16** (2006.01); **F01D 25/24** (2006.01)

CPC (source: EP)

F01D 25/16 (2013.01); **F01D 25/24** (2013.01); **F05D 2220/40** (2013.01); **F05D 2230/24** (2013.01); **F05D 2230/25** (2013.01); **F05D 2230/26** (2013.01)

Citation (examination)

- JP H1182037 A 19990326 - NIPPON SOKEN, et al
- US 4265456 A 19810505 - ATKIN HOWARD S

Cited by

US9011011B2

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)

EP 2365190 A2 20110914; EP 2365190 A3 20111005; EP 2365190 B1 20150909

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