

Title (en)
AXIALLY SPLIT BEARING HOUSING AND A ROTARY MACHINE

Title (de)
AXIAL GETRENNTES LAGERGEHÄUSE UND DREHMASCHINE

Title (fr)
LOGEMENT DE PALIER DIVISÉ AXIALEMENT ET MACHINE ROTATIVE

Publication
EP 3364036 A1 20180822 (EN)

Application
EP 17156696 A 20170217

Priority
EP 17156696 A 20170217

Abstract (en)
An axially split bearing housing is proposed for receiving the non-drive end of a shaft (110) of a rotary machine (100), the bearing housing extending in an axial direction (A) from an inboard end (41) to an outboard end (42), and comprising an upper housing part (2) and a lower housing part (3) designed for being fixedly connected to each other, and further comprising a disk-shaped end cover (6) for closing the bearing housing at the outboard end (42) in the axial direction (A), wherein the upper housing part (2), the lower housing part (3) and the end cover (6) are designed to engage with each other for fixedly connecting the end cover (6) to the upper and the lower housing part (2, 3) in a boltless manner. In addition, a rotary machine having such a bearing housing is proposed.

IPC 8 full level
F04D 1/06 (2006.01); **F04D 17/12** (2006.01); **F04D 29/046** (2006.01); **F04D 29/056** (2006.01); **F04D 29/62** (2006.01)

CPC (source: EP)
F04D 1/06 (2013.01); **F04D 17/122** (2013.01); **F04D 29/0462** (2013.01); **F04D 29/0563** (2013.01); **F04D 29/624** (2013.01); **F04D 29/628** (2013.01)

Citation (search report)
• [X] US 5655845 A 19970812 - LAMPART KARL D [US]
• [X] US 2056553 A 19361006 - ABRAMSON ERNEST L
• [A] US 2012156012 A1 20120621 - UERE VILLORIA MARTIN [CH]
• [A] US 2014178119 A1 20140626 - SHINOHARA HITOSHI [JP], et al
• [X] SCHAEFFLER TECHNOLOGIES AG & CO. KG: "Split Plummer Block Housings SNS", 30 November 2015 (2015-11-30), XP055392085, Retrieved from the Internet <URL:http://www.schaeffler.com/remotemedien/media/_shared_media/08_media_library/01_publications/schaeffler_2/tpi/downloads_8/tpi_231_de_en.pdf> [retrieved on 20170719]

Cited by
CN110454399A; USD897383S

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3364036 A1 20180822

DOCDB simple family (application)
EP 17156696 A 20170217