

Title (en)
BEARING ARRANGEMENTS, AND MODULE CARRIER FOR THEM

Title (de)
LAGERANORDNUNGEN UND MODULTRÄGER FÜR DIESE

Title (fr)
SYSTÈMES DE PALIER ET SUPPORT DE MODULE POUR LESDITS SYSTÈMES

Publication
EP 3728882 A1 20201028 (DE)

Application
EP 18819443 A 20181112

Priority
• DE 102017130335 A 20171218
• DE 2018100916 W 20181112

Abstract (en)
[origin: WO2019120365A1] The present invention describes a bearing arrangement (01) which comprises two bearing rings (02, 03) which can be rotated with respect to one another about a common axis, an annular module carrier (04), an encoder (06) and at least one sensor module (14). The module carrier (04) is arranged axially on one of the two bearing rings (02; 03). The encoder (06) is arranged on the other one of the two bearing rings (02; 03). The at least one sensor module (14) is arranged in the module carrier (04). The module carrier (04) has a cut-out (08) on at least one of its axial side surfaces (09), through which cut-out (08) a lubricant can be introduced into the bearing. The cut-out (08) is arranged circumferentially in the region spaced apart from the at least one sensor module (14) or in the region between two sensor modules (14). Furthermore, the invention relates to a bearing arrangement (01) which has at least one predetermined break point for configuring a cut-out (08). The invention likewise relates to a module carrier (04) for a bearing, which module carrier (04) allows a throughflow of lubricant through the bearing.

IPC 8 full level
F16C 33/66 (2006.01); **F16C 17/24** (2006.01); **F16C 19/52** (2006.01); **F16C 33/58** (2006.01); **F16C 41/00** (2006.01); **G01D 11/30** (2006.01); **G01M 13/04** (2019.01); **G01P 3/44** (2006.01)

CPC (source: EP US)
F16C 17/24 (2013.01 - EP); **F16C 19/52** (2013.01 - EP); **F16C 33/6622** (2013.01 - EP); **F16C 33/6659** (2013.01 - EP); **F16C 41/007** (2013.01 - EP US); **G01M 13/04** (2013.01 - EP); **G01P 3/443** (2013.01 - EP US); **F16C 33/583** (2013.01 - EP); **F16C 33/6659** (2013.01 - US); **F16C 41/04** (2013.01 - EP); **F16C 2220/02** (2013.01 - EP US); **F16C 2233/00** (2013.01 - EP); **G01M 13/04** (2013.01 - US)

Citation (search report)
See references of WO 2019120365A1

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)
DE 102017130335 B3 20181227; CN 111480015 A 20200731; CN 111480015 B 20220118; EP 3728882 A1 20201028; US 11226005 B2 20220118; US 2021172480 A1 20210610; WO 2019120365 A1 20190627

DOCDB simple family (application)
DE 102017130335 A 20171218; CN 201880080123 A 20181112; DE 2018100916 W 20181112; EP 18819443 A 20181112; US 201816771544 A 20181112