

Title (en)
SENSOR SET FOR BEARINGS, AND BEARING ARRANGEMENT

Title (de)
SENSORSATZ FÜR LAGER UND LAGERANORDNUNG

Title (fr)
JEU DE CAPTEURS POUR PALIER ET ENSEMBLE DE PALIERS

Publication
EP 3356692 A2 20180808 (DE)

Application
EP 16795223 A 20160915

Priority
• DE 102015218818 A 20150930
• DE 2016200432 W 20160915

Abstract (en)
[origin: WO2017054810A2] First of all, the invention relates to a sensor set in the form of a building block, on the basis of which mechanical bearings can be transformed into sensor bearings. The invention further relates to a bearing arrangement in the form of a sensor bearing. The disclosed sensor set comprises a plurality of modules. The modules include a plurality of functional modules for measuring variables relating to bearing conditions and/or for triggering and/or activating predefined events under predefined conditions. Each of the functional modules has an electrical interface, in respect of which the functional modules are compatible. At least one of the functional modules is formed by an accelerometer module (01) for measuring an acceleration occurring on an oscillating component of the bearing. The accelerometer module (01) is designed to output a measured acceleration signal. The modules further include a plurality of infrastructure modules for performing communication tasks and/or storing and/or processing predefined and/or acquired data. Each of the infrastructure modules has an electrical interface via which same are interoperable with at least some of the functional modules. At least one of the infrastructure modules is formed by a signal evaluation unit for evaluating the measured acceleration signal.

IPC 8 full level
F16C 19/52 (2006.01); **G01M 13/04** (2006.01)

CPC (source: EP US)
F16C 19/527 (2013.01 - EP US); **F16C 33/585** (2013.01 - US); **F16C 2233/00** (2013.01 - EP US)

Citation (search report)
See references of WO 2017054810A2

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 102016217583 A1 20170330; CN 108138840 A 20180608; CN 108138840 B 20191112; EP 3356692 A2 20180808; US 2018258987 A1 20180913; WO 2017054810 A2 20170406; WO 2017054810 A3 20170526

DOCDB simple family (application)
DE 102016217583 A 20160915; CN 201680055671 A 20160915; DE 2016200432 W 20160915; EP 16795223 A 20160915; US 201615761216 A 20160915