

Title (en)

CIRCUIT BOARD FOR CONNECTING A DEFORMATION SENSOR TO A SIGNAL-PROCESSING CIRCUIT

Title (de)

LEITERPLATTE ZUM ANBINDEN EINES VERFORMUNGSSENSORS AN EINE SIGNALVERARBEITUNGSSCHALTUNG

Title (fr)

CARTE DE CIRCUITS IMPRIMÉS PERMETTANT DE RELIER UN CAPTEUR DE DÉFORMATION À UN CIRCUIT DE TRAITEMENT DE SIGNAUX

Publication

EP 2976613 A1 20160127 (DE)

Application

EP 14725597 A 20140317

Priority

- DE 102013004678 A 20130319
- DE 2014000133 W 20140317

Abstract (en)

[origin: WO2014146634A1] The invention relates to a circuit board (4) for connecting a deformation sensor (16, 18), which is provided on a radial outer side of a rolling bearing outer ring (6), to a signal-processing circuit (28), said circuit board comprising - a cylindrical support plate (20) having a cylinder opening in which said rolling bearing outer ring (6) can be accommodated concentrically to said cylindrical support plate (20), - an electrical contact pad (22) on the cylindrical support plate (20) for electrical contacting with the deformation sensor (16, 18) and - an electrical strip conductor (26) which is electrically connected to said electrical contact pad (22) and is designed to receive signals from the deformation sensor (16, 18) and convey them to the signal-processing circuit (28).

IPC 8 full level

G01L 5/00 (2006.01); **F16C 19/52** (2006.01); **G01M 13/04** (2006.01)

CPC (source: EP US)

F16C 19/522 (2013.01 - EP US); **F16C 33/586** (2013.01 - EP US); **G01L 5/0009** (2013.01 - EP US); **H05K 1/18** (2013.01 - US); **F16C 19/08** (2013.01 - EP US); **F16C 2326/02** (2013.01 - EP US); **G01M 13/04** (2013.01 - EP US)

Citation (search report)

See references of WO 2014146634A1

Citation (examination)

DE 10304592 A1 20040819 - FAG KUGELFISCHER AG [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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102013004678 A1 20140925; CN 105190271 A 20151223; CN 105190271 B 20180119; EP 2976613 A1 20160127; KR 20150133251 A 20151127; US 2015369279 A1 20151224; US 9574604 B2 20170221; WO 2014146634 A1 20140925; WO 2014146634 A8 20141113

DOCDB simple family (application)

DE 102013004678 A 20130319; CN 201480013066 A 20140317; DE 2014000133 W 20140317; EP 14725597 A 20140317; KR 20157030059 A 20140317; US 201414764701 A 20140317