

Title (en)  
ROLLING-ELEMENT BEARING FOR A GEARING

Title (de)  
WÄLZLAGER FÜR EIN GETRIEBE

Title (fr)  
PALIER À ROULEMENT POUR UN ENGRENAGE

Publication  
**EP 3027919 A1 20160608 (DE)**

Application  
**EP 14739084 A 20140630**

Priority  
• DE 102013214703 A 20130729  
• EP 2014063792 W 20140630

Abstract (en)  
[origin: WO2015014554A1] The invention relates to a rolling-element bearing for a gearing, wherein the rolling-element bearing comprises an inner bearing ring (13), an outer bearing ring (14), and at least one rolling element (15), wherein the rolling-element bearing has a sensor (19), which is rigidly arranged in relation to a gearing part or a part of the rolling-element bearing, and the rolling element comprises a depth deviation (16) on at least one lateral surface (17), wherein the depth deviation is designed in such a way that the lateral surface of the rolling element has at least two different depths along a circular path about an axis of rotation of the rolling element and the sensor is positioned in order to detect the depth deviation.

IPC 8 full level  
**F16C 41/00** (2006.01); **B60L 3/00** (2006.01); **F16C 33/34** (2006.01)

CPC (source: EP US)  
**F16C 19/26** (2013.01 - EP US); **F16C 19/52** (2013.01 - EP US); **F16C 33/34** (2013.01 - EP US); **F16C 41/007** (2013.01 - EP US); **G01P 3/443** (2013.01 - US); **F16C 2233/00** (2013.01 - EP US); **F16C 2300/14** (2013.01 - EP US); **F16C 2360/31** (2013.01 - EP US)

Citation (search report)  
See references of WO 2015014554A1

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 102013214703 A1 20150129**; CN 105452693 A 20160330; EP 3027919 A1 20160608; JP 2016531250 A 20161006; US 2016169288 A1 20160616; WO 2015014554 A1 20150205

DOCDB simple family (application)  
**DE 102013214703 A 20130729**; CN 201480042649 A 20140630; EP 14739084 A 20140630; EP 2014063792 W 20140630; JP 2016530397 A 20140630; US 201414907395 A 20140630