

Title (en)

CASSETTE SEAL FOR A RADIAL BEARING AND INSTALLATION METHOD

Title (de)

KASSETTENDICHTUNG FÜR RADIALLAGER UND INSTALLATIONSVERFAHREN

Title (fr)

JOINT D'ÉTANCHÉITÉ À CASSETTE POUR PALIER RADIAL ET PROCÉDÉ D'INSTALLATION

Publication

**EP 2504591 A2 20121003 (DE)**

Application

**EP 10784477 A 20101117**

Priority

- DE 102009055647 A 20091124
- EP 2010067664 W 20101117

Abstract (en)

[origin: WO2011064126A2] The invention relates to a cassette seal for sealing a radial bearing, wherein the cassette seal has two rings which are movable relative to one another and the two rings have a hollow cylindrical part and a radially extending part, wherein the hollow cylindrical parts are radially opposite and the radially extending parts are axially opposite when in an operating state. The aim of the invention is to increase the effectiveness of the seal and to simultaneously enable simple installation of the cassette seals. Said aim is achieved in that an outer radius of the radially extending part of the second ring is larger than the largest inner radius of the hollow cylindrical part of the first ring and smaller than the outer radius of the hollow cylindrical part of the first ring. It is thus possible according to the invention to create a labyrinth seal which better protects the interior of the cassette seals and thus also the rolling space of the radial bearing from outside influences, such as moisture and dirt particles, as the same material cost.

IPC 8 full level

**F16C 33/78** (2006.01); **F16C 33/80** (2006.01)

CPC (source: EP)

**F16C 33/7883** (2013.01); **F16C 33/80** (2013.01); **F16C 43/045** (2013.01); **F16C 2240/40** (2013.01); **F16C 2326/02** (2013.01)

Citation (search report)

See references of WO 2011064126A2

Citation (examination)

DE 102007057962 A1 20090604 - SCHAEFFLER KG [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

DOCDB simple family (publication)

**DE 102009055647 A1 20110526**; **DE 102009055647 B4 20190418**; BR 112012012267 A2 20160426; CN 102656379 A 20120905; CN 102656379 B 20170222; CN 104314990 A 20150128; CN 104314990 B 20180410; EP 2504591 A2 20121003; RU 2012126139 A 20131227; RU 2557102 C2 20150720; WO 2011064126 A2 20110603; WO 2011064126 A3 20110818

DOCDB simple family (application)

**DE 102009055647 A 20091124**; BR 112012012267 A 20101117; CN 201080053302 A 20101117; CN 201410412369 A 20101117; EP 10784477 A 20101117; EP 2010067664 W 20101117; RU 2012126139 A 20101117