

Title (en)
STRUCTURAL BEARING

Title (de)
BAUWERKSLAGER

Title (fr)
APPUI STRUCTUREL

Publication
EP 2989253 B1 20170510 (DE)

Application
EP 14713830 A 20140328

Priority
• DE 102013104064 A 20130422
• EP 2014056253 W 20140328

Abstract (en)
[origin: WO2014173621A1] A structural bearing (10; 31) which has a sliding body (12) with a base surface (16) and a convexly curved sliding surface in the form of a spherical portion and which has a receptacle (14) for movably holding the sliding body (12), wherein the receptacle (14) has a concavely curved receiving surface (20) in the form of a spherical portion and at least partially encloses the sliding surface (17) of the sliding body (12). The underlying object here is to provide a novel structural bearing which is designed in a particularly space-saving manner and can be used particularly flexibly. This object is achieved in that the receptacle (14) has at least one receptacle lateral surface (21; 22) which is arranged such that the receptacle surface (20) is delimited in such a way that it has a surface edge (13) which, based on the lowest point (Ta) of the concavely curved receiving surface (20), has a height which is variable in its profile in the region of the receiving lateral surface (21; 22). As a result, the bearing device (10, 31) is designed in a particularly space-saving manner in comparison.

IPC 8 full level
E01D 19/04 (2006.01); **E04B 1/36** (2006.01); **E04H 9/02** (2006.01)

CPC (source: EP RU)
E01D 19/046 (2013.01 - EP RU); **E04B 1/36** (2013.01 - EP)

Citation (opposition)
Opponent : **Mageba S.A.**
• EP 0943736 A2 19990922 - BOUWDIENST RIJKSWATERSTAAT [NL]
• "Lager im Bauwesen-Teil 1: Allgemeine Regelungen", DIN EN 1337-1:2001-02, February 2001 (2001-02-01), XP055465741
• "Lager im Bauwesen - Teil 7: Kalotten- und Zylinderlager mit PTFE", DEUTSCHE FASSUNG EN 1337-7:2004, August 2004 (2004-08-01), XP055465756

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DE102020106688A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
DE 102013104064 A1 20141023; EP 2989253 A1 20160302; EP 2989253 B1 20170510; RU 2015147440 A 20170526;
RU 2665772 C2 20180904; WO 2014173621 A1 20141030

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DE 102013104064 A 20130422; EP 14713830 A 20140328; EP 2014056253 W 20140328; RU 2015147440 A 20140328