

Title (en)
COUPLING ARRANGEMENT, IN PARTICULAR FOR A RAIL VEHICLE

Title (de)
KUPPLUNGSANORDNUNG, INSBESONDERE FÜR EIN SCHIENENFAHRZEUG

Title (fr)
ENSEMBLE D'ATTELAGE, EN PARTICULIER POUR UN VÉHICULE FERROVIAIRE

Publication
EP 3558785 B1 20230419 (DE)

Application
EP 17786910 A 20171019

Priority
• DE 102016125087 A 20161221
• EP 2017076686 W 20171019

Abstract (en)
[origin: WO2018114087A1] The invention relates to a coupling arrangement, in particular for a rail vehicle, – with a coupling rod which extends along a longitudinal axis and which bears a coupling head in the region of a first axial end; – with a bearing bracket to which the coupling rod is connected at a second axial end, which is opposite the first axial end, to be movable about a vertical axis; – with a bearing between the bearing bracket and the coupling rod, said bearing being configured to permit at least a limited movement between the coupling rod and the bearing bracket in the vertical direction, and/or with a bearing-bracket mounting which is movable in the vertical direction; and – with a support structure which elastically supports the coupling rod in relation to the movement in the vertical direction. The coupling arrangement according to the invention is characterized in that the support structure is positioned in the vertical direction at least predominantly level with the bearing bracket and/or with the coupling rod in a manner substantially coaxial with respect to the longitudinal axis.

IPC 8 full level
B61G 9/22 (2006.01); **B61G 7/10** (2006.01)

CPC (source: EP US)
B61G 7/10 (2013.01 - EP US); **B61G 9/22** (2013.01 - EP US)

Citation (examination)
EP 2862777 B1 20190619 - CRRC QINGDAO SIFANG ROLLING STOCK RES INST CO LTD [CN], et al

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 102016125087 A1 20180621; CN 110072757 A 20190730; CN 110072757 B 20210831; EP 3558785 A1 20191030;
EP 3558785 B1 20230419; HU E062328 T2 20231028; PL 3558785 T3 20230807; US 11472448 B2 20221018; US 2019300027 A1 20191003;
WO 2018114087 A1 20180628

DOCDB simple family (application)
DE 102016125087 A 20161221; CN 201780077962 A 20171019; EP 17786910 A 20171019; EP 2017076686 W 20171019;
HU E17786910 A 20171019; PL 17786910 T 20171019; US 201916447534 A 20190620