

Title (en)

Coupling assembly for the front of a rail-guided vehicle

Title (de)

Kupplungsanordnung für die Stirnseite eines spurgeführten Fahrzeuges

Title (fr)

Dispositif d'embrayage pour la zone frontale d'un véhicule guidé sur rails

Publication

**EP 2594452 B1 20140108 (DE)**

Application

**EP 11189905 A 20111121**

Priority

EP 11189905 A 20111121

Abstract (en)

[origin: EP2594452A1] The coupling arrangement (100) has supporting structure with two longitudinal beams (11,12) that are arranged on sides of central buffer coupling to limit a horizontal deflection of the central buffer coupling. A crossbeam (13) is arranged above central buffer coupling such that vertical deflection of coupling shaft relative to undercarriage of vehicle is limited by crossbeam. The crossbeam is joined with longitudinal beams such that vertical forces applied from central buffer coupling onto crossbeam are transmitted from crossbeam to longitudinal beams.

IPC 8 full level

**B61G 11/16** (2006.01)

CPC (source: EP US)

**B61G 3/16** (2013.01 - EP US); **B61G 7/00** (2013.01 - US); **B61G 11/16** (2013.01 - EP US)

Cited by

RU2641579C1; CN109017860A; CN109017861A; US9802628B2; WO2015039679A1; WO2015120882A1; WO2023025681A1; WO2022214246A1

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)

**EP 2594452 A1 20130522; EP 2594452 B1 20140108**; ES 2448798 T3 20140317; HK 1180286 A1 20131018; PL 2594452 T3 20140530; US 2013126458 A1 20130523; US 8783479 B2 20140722

DOCDB simple family (application)

**EP 11189905 A 20111121**; ES 11189905 T 20111121; HK 13107519 A 20130626; PL 11189905 T 20111121; US 201213681158 A 20121119