

Title (en)

An improvement to a rail car for the carriage and transportation of commercial road vehicles.

Title (de)

Verbesserung an einem Schienentransportwagen für Nutzfahrzeuge.

Title (fr)

Amélioration d'un wagon de transport de véhicules commerciaux.

Publication

EP 0622284 A1 19941102 (EN)

Application

EP 94830185 A 19940419

Priority

IT BO930177 A 19930429

Abstract (en)

In the improved transporter car, the cradle (4) rotates on a virtual fifth wheel (RV) composed of a non-loadbearing kingbolt (10), coinciding with a barycentrically located vertical axis (X), by which the cradle (4) is anchored to a fixed structure (6) with the freedom to rotate about the axis, and a plurality of wheels (11a, 11b) mounted between the bottom face of the cradle (4) and the top face of the fixed structure, typically a pair of beams (6a, 6b); the wheels describe arcs of rotation centred on the axis (X), and are spaced in such a way as to create a turntable of generous diameter capable of affording rigid support to a broad expanse of the cradle when the beams (6a, 6b) beneath are elevated and flexed. The cradle (4) is also equipped with stabilizer wheels positioned at each end, which are lowered onto the ground when the cradle is rotated into the loading and offloading position so as to keep the structure of the cradle properly balanced and essentially parallel with the surface beneath. <IMAGE>

IPC 1-7

B61D 3/18; **B61D 47/00**

IPC 8 full level

B61D 3/18 (2006.01); **B61D 47/00** (2006.01)

CPC (source: EP)

B61D 3/184 (2013.01); **B61D 47/005** (2013.01)

Citation (search report)

- [DYDA] EP 0463283 A1 19920102 - E CO S R L AB [IT]
- [YA] EP 0516583 A1 19921202 - TUCHSCHMID AG [CH]
- [A] DE 3234374 A1 19840322 - TALBOT WAGGONFAB [DE]
- [A] WO 8102142 A1 19810806 - BEHRENS R

Cited by

EP2228278A1; WO2006031178A1; CN111301461A; EP0905001A1; FR2768682A1; FR2875464A1; US5988073A; CN1077525C; WO9637396A1; US7650844B2

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR LI LU NL SE

DOCDB simple family (publication)

EP 0622284 A1 19941102; IT 1266316 B1 19961227; IT BO930177 A0 19930429; IT BO930177 A1 19941029

DOCDB simple family (application)

EP 94830185 A 19940419; IT BO930177 A 19930429