

Title (en)

Bogie coupling system for convertible railway-roadway vehicle

Title (de)

Drehgestell-Kupplungssystem für ein umwandelbares Schiene-Strasse- Fahrzeug

Title (fr)

Système de raccordement de bogie destiné à un véhicule convertible rail/route

Publication

EP 1145928 A2 20011017 (EN)

Application

EP 01114481 A 19940808

Priority

EP 94932172 A 19940808

Abstract (en)

A bogie (120) and a convertible roadway-railway trailer (160) for both roadway and railway use and a method of converting the trailer between roadway and railway mode, including a method of assembling and disassembling a plurality of such trailers (160) and bogies (120) into a train (113). A trailer (160) has retractable roadway tires (166) and three king pins (184, 185) mounted on the posterior end thereof forming a rigid coupling mechanism. A bogie (120), which is stored off a railway near a grade crossing, has three king pin engagement mechanisms (138, 153) which are used to rigidly couple the bogie (120) to a trailer (160). To convert a first trailer (160) from roadway use to railway use, a tractor (112) is used to back up the first trailer (160) to a first bogie (120), and the first trailer (160) is rigidly coupled to the first bogie (120). Additional trailers (160) can be added in a similar manner to form a train (113). <IMAGE>

IPC 1-7

B61D 3/18; **B61F 3/12**

IPC 8 full level

B61D 3/18 (2006.01); **B61F 3/12** (2006.01)

CPC (source: EP)

B61D 3/184 (2013.01); **B61F 3/12** (2013.01)

Citation (applicant)

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- US 5220870 A 19930622 - LARSON ERNEST J [US]
- US 4917020 A 19900417 - WICKS HARRY O [US], et al
- US 4448132 A 19840515 - BEATTY WILLIAM T [US]

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Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1145928 A2 20011017; **EP 1145928 A3 20011107**; **EP 1145928 B1 20051012**; DK 1145928 T3 20060213

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