

## 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)

- US 5009169 A 19910423 - VIENS JACQUES [CA]
- 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]

## Cited by

RU2651360C2; CN111907534A; US8215240B2; US8677907B2

## Designated contracting state (EPC)

BE CH DE DK FR GB IT LI

## DOCDB simple family (publication)

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

## DOCDB simple family (application)

**EP 01114481 A 19940808**; DK 01114481 T 19940808