

Title (en)

A four-wheel bogie with independent wheels and variable gap between them, equipped with a guiding system

Title (de)

Vier-Einzelräder Bogiefahrwerk mit veränderlichem Radstand mit einem Führungssystem

Title (fr)

Bogie à quatre roues et à écartement variable équipé d'un système de guidage.

Publication

**EP 0648659 B1 19981230 (EN)**

Application

**EP 94500165 A 19941007**

Priority

ES 9302168 A 19931015

Abstract (en)

[origin: EP0648659A1] The purpose of the guiding system applicable to a four-wheel bogie with variable gap between is to guide the two bogies of independent and displaceable wheels (10) with which the body of a conventional railway passenger coach or freight wagon is fitted. The guiding system can be performed with a center balancer disposed in the middle of the coach body or, in a second embodiment, with an independent guiding system for each of the bogies, being constituted by a balancer (36), the turning axle of which is integral with a center frame (1) disposed on each bogie, and a bar (37) is joined to the upper end of the balancer (36), the other end of which is united to a support (38) which is integral with the coach body, the lower end of the balancer (36) having a bar (39) joined to it, the opposite end of which is integral with the outside case of an oscillant fork (6) which, in turn, is integral with a frame (4) carrying the rolling assemblies, the balancer (36) having other joint (40) located above its turning axle and disposed equidistant from a lower joint with regard to the turning axle of the balancer, the bars (41) and (42) being united to this joint (40). <IMAGE>

IPC 1-7

**B61F 3/16**; **B61F 7/00**; **B61F 5/44**

IPC 8 full level

**B61F 5/38** (2006.01); **B61F 3/16** (2006.01); **B61F 5/40** (2006.01); **B61F 5/44** (2006.01); **B61F 7/00** (2006.01)

CPC (source: EP)

**B61F 3/16** (2013.01); **B61F 5/44** (2013.01); **B61F 7/00** (2013.01)

Cited by

EP0857636A3; FR2874883A1; CN108128321A; CN113640021A; EP1340664A1; US5816170A; EP3696044A4; AU2018359356B2; WO2006027485A1

Designated contracting state (EPC)

AT BE CH DE DK FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 0648659 A1 19950419**; **EP 0648659 B1 19981230**; AT E175161 T1 19990115; AU 683686 B2 19971120; AU 7574494 A 19950504; CN 1114617 A 19960110; DE 69415626 D1 19990211; DE 69415626 T2 19990722; DK 0648659 T3 19990830; ES 2084551 A2 19960501; ES 2084551 B1 19971016; ES 2084551 R 19970301; FI 944844 A0 19941014; FI 944844 A 19950416; GR 3029814 T3 19990630; HU 9402916 D0 19950130; HU H3883 A 19990329; JP 2837098 B2 19981214; JP H07156800 A 19950620; LT 3580 B 19951227; LT IP2053 A 19950425; PL 175243 B1 19981130; PL 175366 B1 19981231; PL 305450 A1 19950418; RO 115345 B1 20000128; RU 2123951 C1 19981227; RU 94037586 A 19960810; SI 0648659 T1 19990630; SK 125394 A3 19960605; TR 28161 A 19960301

DOCDB simple family (application)

**EP 94500165 A 19941007**; AT 94500165 T 19941007; AU 7574494 A 19941011; CN 94118661 A 19941014; DE 69415626 T 19941007; DK 94500165 T 19941007; ES 9302168 A 19931015; FI 944844 A 19941014; GR 990400904 T 19990330; HU 9402916 A 19941010; JP 24958894 A 19941014; LT IP2053 A 19941013; PL 30545094 A 19941014; PL 32451094 A 19941014; RO 9401667 A 19941014; RU 94037586 A 19941014; SI 9430235 T 19941007; SK 125394 A 19941013; TR 108294 A 19941014