

Title (en)
Running gear with adjustable axle

Title (de)
Lenkachslaufwerk

Title (fr)
Train de roues à essieu orientable

Publication
EP 0652148 B1 19970813 (DE)

Application
EP 94250237 A 19940930

Priority
DE 4337385 A 19931026

Abstract (en)
[origin: EP0652148A1] Running gear with adjustable axle for double-axle rail vehicles to be used for solving the problem of providing automatic radial adjustment in bends in the track, a high degree of operational quietness in straight sections of track and of avoiding, under extreme conditions, counter-radial adjustments when there is only a small amount of installation space. According to the invention, this is achieved by the combination of the following features: an imaginary rotational and coupling point is provided in the centre of the wheel set by directly coupling the wheel set (8) by means of axle and wheel set links (1) and a compensation device (5). The vertical, lateral and longitudinal movements of the axle bearings or wheel-set bearings (2) are damped by hydraulic dampers (22) and the spring constant and characteristic in all three coordinates are adjusted by means of helical springs (10) with a defined degree of lateral rigidity with additional partial effect of elastomer padding (3). <IMAGE>

IPC 1-7
B61F 5/32; **B61F 5/38**

IPC 8 full level
B61F 5/32 (2006.01); **B61F 5/38** (2006.01)

CPC (source: EP)
B61F 5/325 (2013.01); **B61F 5/38** (2013.01)

Cited by
GB2307889A; RU2467901C2

Designated contracting state (EPC)
AT CH FR GB IT LI SE

DOCDB simple family (publication)
EP 0652148 A1 19950510; **EP 0652148 B1 19970813**; AT E156763 T1 19970815; CZ 259694 A3 19950614; CZ 284175 B6 19980916; DE 19510706 A1 19960919; DE 19510706 C2 19980806; FI 109417 B 20020731; FI 945009 A0 19941025; FI 945009 A 19950427; PL 175631 B1 19990129; PL 305451 A1 19950502; SK 127694 A3 19950510; SK 281084 B6 20001107

DOCDB simple family (application)
EP 94250237 A 19940930; AT 94250237 T 19940930; CZ 259694 A 19941021; DE 19510706 A 19950315; FI 945009 A 19941025; PL 30545194 A 19941014; SK 127694 A 19941021