

Title (en)  
Running gear for railway vehicles

Title (de)  
Laufwerk für Schienenfahrzeuge

Title (fr)  
Train de roulement pour véhicules ferroviaires

Publication  
**EP 0630796 B1 19980401 (DE)**

Application  
**EP 94250161 A 19940620**

Priority  
DE 4321087 A 19930621

Abstract (en)  
[origin: EP0630796A1] Running gear for railway vehicles, which, by virtue of the particular arrangement of the damping components, improves damping, permits high travel speeds and ensures that bends can be travelled through safely. This object is achieved by means of the arrangement of the vertical and horizontal shock absorbers in such a way that as a result of the horizontal shock absorber force a rotational deflection of the axle bearing housing is produced, which rotational deflection is in turn additionally damped by the vertical shock absorber, the longitudinal movements of the wheel sets being simultaneously damped by the horizontal shock absorber and the vertical shock absorber and this also applying to a lesser degree to the transverse movements of the wheel sets. The vertical shock absorber is included in the damping characteristic of the horizontal shock absorber. By changing the attachment point of the horizontal shock absorber and thus by changing the points of intersection of the median lines of the shock absorbers and the median line of the axle bearing housing in the vertical and horizontal planes by means of an attachment bracket arranged in a defined manner it is possible to vary the damping ratio of the shock absorbers. The invention is suitable in particular for sets of running gear which are to be used for high speed transport. <IMAGE>

IPC 1-7  
**B61F 5/30**

IPC 8 full level  
**B61F 5/30** (2006.01)

CPC (source: EP)  
**B61F 5/308** (2013.01)

Cited by  
DE19925634A1

Designated contracting state (EPC)  
AT FR IT

DOCDB simple family (publication)  
**EP 0630796 A1 19941228; EP 0630796 B1 19980401**; AT E164557 T1 19980415; CZ 152994 A3 19950118; CZ 283035 B6 19971217; DE 4321087 A1 19941222; DE 4321087 C2 20001102; PL 303935 A1 19950109; SK 280549 B6 20000313; SK 75594 A3 19950208

DOCDB simple family (application)  
**EP 94250161 A 19940620**; AT 94250161 T 19940620; CZ 152994 A 19940621; DE 4321087 A 19930621; PL 30393594 A 19940621; SK 75594 A 19940621