

Title (en)

A bogie equipped with a body-tilt system for a railway car

Title (de)

Ein mit einem Wagenkasten-Neigungssystem ausgerüstetes Drehgestell für ein Eisenbahnfahrzeug

Title (fr)

Un bogie avec un système d'inclinaison de la caisse pour une voiture de chemin de fer

Publication

EP 0683081 B1 19990113 (EN)

Application

EP 95107628 A 19950518

Priority

JP 13090694 A 19940520

Abstract (en)

[origin: EP0683081A1] An improved bogie equipped with a body-tilt system for a railway car is provided, wherein running velocity may further be increased in curves by preventing decrease in load applied to an inner wheel of the bogie during body tilt operation and riding comfort should not extremely be deteriorated even when the body-tilt system failed. The bogie of the present invention comprises a support pedestal 5 standing upwardly from a bogie frame 7 to a position adjacent to a roof of the car body 1, a tilting member 3 which is disposed on an upper position of the pedestal 5 and pendulates around a center of tilting O0 in a lower portion of the car body 1, an actuator 13 for tilting the car body 1, a bolster spring 2 provided between the tilting member 3 and the car body 1. When the body tilts toward a center of the curve, the center of gravity of the body moves toward the center of the curve from the center of a track, thereby preventing the load applied to an inner rail wheel from reducing. <IMAGE>

IPC 1-7

B61F 5/22

IPC 8 full level

B61F 5/22 (2006.01)

CPC (source: EP)

B61F 5/22 (2013.01)

Cited by

CN102765395A; EP3012172A4; EP0808758A1; FR2748979A1; US5921185A; EP0987161A2; WO2004080779A1; DE102010000125A1; WO2011088815A1

Designated contracting state (EPC)

DE ES IT SE

DOCDB simple family (publication)

EP 0683081 A1 19951122; EP 0683081 B1 19990113; DE 69507192 D1 19990225; DE 69507192 T2 19990715; ES 2129702 T3 19990616

DOCDB simple family (application)

EP 95107628 A 19950518; DE 69507192 T 19950518; ES 95107628 T 19950518