

Title (en)

Gauge-changeable bogie for railroad carbody

Title (de)

Drehgestell mit veränderlichen Spurweite für einen Eisenbahnwagen

Title (fr)

Bogie avec écartement variable pour un véhicule ferroviaire

Publication

EP 0857636 A2 19980812 (EN)

Application

EP 98102053 A 19980206

Priority

- JP 4146397 A 19970210
- JP 4146497 A 19970210
- JP 4146597 A 19970210

Abstract (en)

A railroad carbody gauge-shiftable bogie is featured by providing outer axle boxes with elastic bodys to prevent jogging motion of the wheelset (30) in relation to the axle boxes, fixing the four axle boxes to axle box supporting beams disposed substantially in parallel with the axles (2) along their lengthwise direction to prevent generation of a bending moment over sliding parts in the action of gauge changing, disposing drive axle box for transmission of driving power to the wheelset (30) to cause the torsion in the transmission portion of the power to the wheelsets from the drive mechanism to be equal on both left and right sides, fixing the drive axle box to the axle box supporting beams to prevent jogging motion of the transmission portion, and substantially centered between the two, left and right, employing the drive mechanisms of a angular Cardan type to install a couple of motors (18,19) in a small space between the two, front and rear, axles (2). <IMAGE>

IPC 1-7

B61F 7/00

IPC 8 full level

B61F 7/00 (2006.01)

CPC (source: EP)

B61F 7/00 (2013.01)

Citation (applicant)

- JP H06206541 A 19940726 - RAILWAY TECHNICAL RES INST, et al
- JP H0752795 A 19950228 - KAWASAKI HEAVY IND LTD
- JP H08169338 A 19960702 - FUJI HEAVY IND LTD
- JP H08216881 A 19960827 - RAILWAY TECHNICAL RES INST

Cited by

CN108680372A; CN108674438A; CN108407838A; EP1138569A3; CN108501973A; CN110753652A; CN108407842A; ES2178522A1; CN108909359A; EP1340663A1; CN107542909A; CN108909358A; ES2184538A1; EP1088735A3; CN108423025A; CN110753651A; ES2192107A1; EP1120325A3; US10167002B2; WO2004024530A3; WO2016101709A1; EP1993895B1; TWI737985B

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