

Title (en)
RAILWAY UNDERCARRIAGE WITH A RADIALLY ADJUSTABLE WHEEL AXLES

Title (de)
SCHIENENFAHRWERK MIT RADIALER EINSTELLUNG DER RADACHSEN

Title (fr)
VEHICULE SUR RAILS A AJUSTEMENT RADIAL DES AXES DE ROUE

Publication
EP 1395477 A1 20040310 (DE)

Application
EP 01983504 A 20010926

Priority
• DE 10047737 A 20000927
• EP 0111099 W 20010926

Abstract (en)
[origin: WO0226542A1] The invention relates to a railed vehicle comprising a load-bearing carrier (1) in the form of a bogie frame pertaining to a two-axle bogie, whereby said load-bearing carrier (1) is supported by spring elements (2) on two pairs of wheels (4,4; 4,4). Each wheel (4) is provided with a strut rod (9) extending in the direction of the wheel housing, which is coupled respectively on one end to a wheel support (3) by means of coupling points (8, 10), adjacent to an associated wheel (4), and to the load-bearing carrier (1) on the end thereof. The pairs of wheels can turn in respect of the load-bearing carrier. In order to achieve a turning movement of the pair of wheels for a curved radial adjustment dependent upon the radius of the curved track currently travelled upon, the strut rods (9) are respectively coupled directly to the coupling points (10) directly on the load-bearing carrier (1). The coupling points (10) of the strut rods (9) of at least one pair of wheels (4, 4) on the load-bearing carrier (1) are located above the coupling points (8) of the strut rods (9) on the associated wheel support (3) in relation to the plane determined by the contact points (6) of the wheels (4) on the tracks (7) if the strut rods (9) are orientated in the direction of the wheel housing towards a central area between two pairs of wheels.

IPC 1-7
B61F 5/38; **B61F 5/44**

IPC 8 full level
B61F 5/38 (2006.01); **B61F 5/44** (2006.01)

CPC (source: EP US)
B61F 5/38 (2013.01 - EP US); **B61F 5/44** (2013.01 - EP US)

Citation (search report)
See references of WO 0226542A1

Cited by
CN105460040A

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0226542 A1 20020404; AT E285922 T1 20050115; CA 2423600 A1 20030326; CA 2423600 C 20110705; DE 10047737 A1 20020411; DE 50104999 D1 20050203; EP 1395477 A1 20040310; EP 1395477 B1 20041229; ES 2234913 T3 20050701; PT 1395477 E 20050331; US 2004112248 A1 20040617; US 7066095 B2 20060627

DOCDB simple family (application)
EP 0111099 W 20010926; AT 01983504 T 20010926; CA 2423600 A 20010926; DE 10047737 A 20000927; DE 50104999 T 20010926; EP 01983504 A 20010926; ES 01983504 T 20010926; PT 01983504 T 20010926; US 38152004 A 20040120