

Title (en)
Rail-bound electric traction vehicle.

Title (de)
Schienengebundenes elektrisches Triebfahrzeug.

Title (fr)
Motrice ferroviaire électrique.

Publication
EP 0025409 A2 19810318 (DE)

Application
EP 80730055 A 19800807

Priority
DE 2936733 A 19790907

Abstract (en)
1. A rail-carried electric drive vehicle, in which an electric traction motor (3) arranged in the longitudinal direction of the vehicle drives two drive axles (2), each drive axle (2) being connected to the large wheel of a gearing through an elastic coupling (4), a cardan hollow shaft (5) surrounding the coupling and a further elastic coupling (6), the pinion of the large wheel being driven by an end of the rotor shaft of the traction motor (3), and the traction motor (3) and the gearing being resiliently suspended, characterised in that articulated swing bearings (10) arranged on both sides of the traction motor (3) serve for suspension, one hinge point (12) of the swing bearings being arranged on the vehicle frame (11) and the other hinge point (13) being arranged below the central line of the drive axle (2) of the traction motor (3) or the drive unit (9) consisting of the traction motor (3) and the transmission ; that the swing bearings (10) include a sprung, level-controlled element (14) ; and that at least two control levers (15) arranged in the longitudinal direction are located between the traction motor (3) or drive unit (9) and the underframe or pivoted bogie (1).

Abstract (de)
Bei einem elektrischen Triebfahrzeug mit Doppelachslängsantrieb sind Fahrmotor (3) und Getriebe federnd aufgehängt und treiben die Treibachsen (2) über Kardanholzwellen (5) an. Um größere Fahrgeschwindigkeiten zu erhalten, dienen als Aufhängung am Wagenkasten (11) beidseitig zum Fahrmotor (3) angeordnete Pendel (10), die ein gefedertes, niveaugeregeltes Element (14) enthalten. Außerdem sind zwischen Antriebsaggregat (9) und Drehgestell (1) mindestens zwei in Längsrichtung liegende Lenker (15) angeordnet.

IPC 1-7
B61C 9/52; **B61F 3/04**

IPC 8 full level
B61C 9/52 (2006.01); **B61F 3/04** (2006.01)

CPC (source: EP)
B61C 9/52 (2013.01); **B61F 3/04** (2013.01)

Cited by
EP0952061A1; EP0137931A3; GB2174964A; GB2174964B; EP0357564A3; EP0649782A1; US5638757A

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