Title (en)

DRIVE UNIT FOR RAILWAY VEHICLES

Publication

EP 0137931 A3 19870415 (DE)

Application

EP 84108983 A 19840728

Priority

- DE 3337695 A 19831017
- DE 8412522 U 19840421

Abstract (en)

[origin: CA1220088A] A traction drive assembly for railbound vehicles comprises a motor-transmission unit, which is supported on at least one wheel set axle and consists either of a motor that extends in the longitudinal direction of the vehicles and angle drives flanged to said motor on both sides thereof, or of a motor which extends parallel to the wheel set axle and a spur gear set coupled to the output shaft of the motor. Each angle drive or the spur gear set is provided on its output side with a quill, which concentrically surrounds the associated wheel set axle. In connection with such traction drive assembly it is proposed that each or the quill is connected to the associated wheel set axle by a flexible coupling, which permits an offset of axes and an angular misalignment of axes, and by an elastic bearing for transmitting the weight of the motor-trans-mission unit. The elastic bearing may be disposed laterally at the quill or within the quill. At least one lever, which is elastically pivoted to the motor and to the vehicle frame or bogie (truck), is provided as a backing element for taking up overturning moments and mass acceleration forces.

IPC 1-7

B61C 9/44; B61C 9/50

IPC 8 full level

B61C 9/44 (2006.01); **B61C 9/50** (2006.01)

CPC (source: EP US)

B61C 9/44 (2013.01 - EP US); **B61C 9/50** (2013.01 - EP US)

Citation (search report)

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EP 84108983 A 19840728; AU 3199784 A 19840816; CA 460909 A 19840813; DE 3479992 T 19840728; US 91031686 A 19860922