

Title (en)  
DUAL AXLE DRIVE FOR RAIL VEHICLE BOGIES

Publication  
**EP 0043887 B1 19850502 (DE)**

Application  
**EP 81100681 A 19810130**

Priority  
DE 3026756 A 19800715

Abstract (en)  
[origin: US4409904A] A double-axle drive for trucks of a railway vehicle has a drive motor with a drive shaft extending parallel to the longitudinal axis of the vehicle and a respective gearing mechanism engaged with each end of the drive shaft. Each gearing mechanism is drivingly coupled to a hollow shaft which concentrically surrounds a respective wheel-set axle. The wheel-set axle and hollow shaft are coupled by elastic couplings provided at each end of the hollow shaft. Each elastic coupling includes a coupling half mounted on the hollow shaft and a coupling half axially aligned therewith mounted on the axle. One coupling half has a plurality of radially extending pins and the other has a plurality of radially extending arms, the pins and arms being positioned alternately in a rotational direction. Elastically yieldable elements are provided between the pins and arms, are initially tensioned, and engage surfaces on the pins and arms which are not parallel to the wheel-set axle.

IPC 1-7  
**B61C 9/44**

IPC 8 full level  
**B61C 9/44** (2006.01); **B61C 9/50** (2006.01); **B61F 3/04** (2006.01)

CPC (source: EP US)  
**B61C 9/44** (2013.01 - EP US); **B61C 9/50** (2013.01 - EP US); **B61F 3/04** (2013.01 - EP US)

Citation (examination)  
• DE 2853839 A1 19800619 - HURTH MASCH ZAHNRAD CARL  
• DE 2245329 A1 19740321 - RHEINSTAHL AG  
• CH 279158 A 19511115 - BBC BROWN BOVERI & CIE [CH]  
• DE 2756445 A1 19790621 - HURTH MASCH ZAHNRAD CARL  
• DE 838452 C 19520508 - DUESSELDORFER WAGGONFABRIK AG

Cited by  
DE3843496C1; WO2006128508A3

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