

Title (en)
Twin axle drive

Title (de)
Doppelachslaufwerk

Title (fr)
Entraînement à double essieux

Publication
EP 0601677 B1 19960619 (DE)

Application
EP 93250330 A 19931130

Priority
DE 4241300 A 19921208

Abstract (en)
[origin: EP0601677A1] Twin axle drive or connection of two twin axle drives which save on overall height and mass in the short powerflux of the perpendicular loading and ensure, when travelling in a tight bend in the track, the necessary rotation angle with an acceptable rotation resistance and ensure transverse play better than a link suspension. According to the invention, the object is achieved in that the leaf springs (10) are coupled at their ends to the wagon stays to the side of the lateral members (3). A support pendulum (14) is supported on the spring collar (11) of the leaf springs (10) and rolls with the necessary resistance in the longitudinal direction of the vehicle without restoring force and thus brings about the necessary restriction on rotation. In the transverse direction, the restoring force and transverse restriction required for transverse play is produced by the design of the crowned rolling segment of the support pendulum (14). In the connection of two twin axle units, steering is effected by a Beugniot lever. Both axle units are connected to a transverse coupling. The invention is preferably suitable for use with low-level wagons (1) with a continuous floor height and small wheels. <IMAGE>

IPC 1-7
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IPC 8 full level
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CPC (source: EP)
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Cited by
CN112298253A; CN103052554A; KR101469406B1; CN112298251A; US8656839B2; WO2013008468A1; WO2012137257A1; US9358989B2; US9573604B2; TWI421183B

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