

Title (en)

Railway wagon suspension units.

Title (de)

Aufhängungsaggregate für Schienenwagen.

Title (fr)

Unités de suspension pour wagons de chemins de fer.

Publication

**EP 0011453 A1 19800528 (EN)**

Application

**EP 79302517 A 19791109**

Priority

GB 7844328 A 19781114

Abstract (en)

This invention relates to a railway wagon suspension unit of the type comprising a frame (1) mounted over a saddle (2) accommodating an axle journal housing (3) with a load spring suspension system (6) disposed between the frame and the saddle. The saddle bears on the housing through a mounting which includes a rubber block (17) together with the conventional rib (19) and channel (20) structure, the rubber permitting a controlled degree of movement between the saddle and the housing principally restricted to longitudinal motion in the direction of travel of the wagon, in which rubber yields to shear stress, and lateral motion by which the saddle pivots on the mounting about the housing. The principal advantage of the introduction of this mounting is that the axle is permitted to self steer into tight curves at low speed whilst retaining satisfactory high speed performance. Hitherto, the wedges have tended to accommodate longitudinal motion on curves only in a comparatively disjointed fashion by somewhat 'stepwise' slipping and this has been particularly marked at low speeds.

IPC 1-7

**B61F 5/30**; **B61F 5/38**

IPC 8 full level

**B61F 5/30** (2006.01); **B61F 5/38** (2006.01)

CPC (source: EP)

**B61F 5/308** (2013.01); **B61F 5/38** (2013.01)

Citation (search report)

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BE DE FR IT SE

DOCDB simple family (publication)

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DOCDB simple family (application)

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