

Title (en)

A bogie, in particular for high speed rolling stock.

Title (de)

Drehgestell, insbesondere für rollendes Eisenbahnmateriale.

Title (fr)

Bogie, notamment pour matériel roulant ferroviaire.

Publication

EP 0434642 A2 19910626 (EN)

Application

EP 90830590 A 19901217

Priority

IT 958889 A 19891222

Abstract (en)

A bogie for rolling stock, in particular for high speed vehicles, but suitable for use on railway lines not designed for high speed. The bogie comprises a swing bolster (21) carrying the vehicle body, a guide frame (1) carrying a pair of wheel sets (6), means for connecting the guide frame (1), the swing bolster (21) and the wheel sets (6), as well as a braking equipment (10). Each wheel set (6) comprises a pair of wheels (8) keyed to an axle (7) carried by support means for rotation, in particular axle boxes (11) with integral brackets (13). The swing bolster (21), which supports the weight of the vehicle body, rests directly on the wheel sets (6) through elastic supports and the guide frame (1) is not rigid, but articulated, the longitudinal members (2) of the frame (1) being interconnected by articulated cross members (3), the respective joints (4) of which lie equidistant from the centre and in diagonal alignment. The bogie is suitable to be used in operation both on railway lines designed for high and on lines not designed to this purpose. In particular, the performances of the bogie with guide frame unloaded of the vehicle body weight and articulated are considerably better with respect to the dynamic stability, curve inscribability and safety from derailment when passing on skew length track. The constructive solutions adopted make easier the car replacing operation. <IMAGE>

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IPC 8 full level

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CPC (source: EP)

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