

Title (en)
HIGH SPEED RAILWAY VEHICLE BOGIE

Title (de)
DREHGESTELL FÜR HOCHGESCHWINDIGKEITSSCHIENENFAHRZEUGE

Title (fr)
BOGIE DE VÉHICULE FERROVIAIRE À GRANDE VITESSE

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Application
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Abstract (en)
The present invention provides a bogie for high-speed railway vehicles, comprising a wheelset, a frame, a primary suspension system and a secondary suspension system; wherein the frame comprises side beams and an intermediate crossbeam, a middle part of each of the side beams is a concave portion, and both ends of the intermediate crossbeam are separately connected with the concave portions of the side beams; the primary suspension system comprises primary axle box suspension devices, one end of each of the primary axle box suspension devices is connected with a wheel axle of the wheelset, and the other end is supported at one end of one of the side beams; and the secondary suspension system comprises at least two spring sets, which are arranged at interval on the intermediate crossbeam and located between the side beams, and upper parts of the spring sets are connected with a carbody. In the bogie for high-speed railway vehicles of the present invention, the spring sets of the secondary suspension system can provide a proper moment of rotational resistance between the frame and carbody, thus increasing the linear running stability, curve negotiation performance and critical speed of the railway vehicles.

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