

Title (en)
FRAME, BOGIE, AND RAIL VEHICLE

Title (de)
RAHMEN, DREHGESTELL UND SCHIENENFAHRZEUG

Title (fr)
CADRE, BOGIE ET VÉHICULE FERROVIAIRE

Publication
EP 4197877 A4 20240131 (EN)

Application
EP 20949304 A 20200921

Priority
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• CN 2020116402 W 20200921

Abstract (en)
[origin: EP4197877A1] The present disclosure provides a frame, a bogie frame, and a railway vehicle. The frame includes two corresponding side beams and a cross beam connected to the two side beams; wherein the cross beam includes a main body portion for connecting a traction device and a connecting portion for hinging with the side beam, the connecting portion being provided at two ends of the main body portion, the width of the connecting portion being gradually reduced along a direction away from the main body portion; one end of the connecting portion away from the main body portion is movably connected with the side beam. The present disclosure provides two ends of the cross beam movably connected to two side beams, so that a certain displacement can be generated between the cross beam and the side beam, the frame has flexibility, and the frame can absorb a part of distortion energy, which improves the anti-twisting ability of the bogie frame, is beneficial for the railway vehicle to pass through the uneven rail surface or curved rail surface safely and flexibly, and improves the safety of the railway vehicle.

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CPC (source: CN EP)
B61F 5/10 (2013.01 - CN); **B61F 5/38** (2013.01 - EP); **B61F 5/52** (2013.01 - CN EP)

Citation (search report)
• [XAI] CN 108263415 A 20180710 - CRRC TANGSHAN CO LTD
• [XAI] CN 105882674 B 20180629
• [A] JP 6697352 B2 20200520
• See references of WO 2022032807A1

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