

Title (en)
MOTOR-DRIVEN BOGIE FOR A RAIL VEHICLE

Publication
EP 0072535 B1 19850508 (DE)

Application
EP 82107286 A 19820811

Priority
DE 3132153 A 19810814

Abstract (en)
[origin: EP0072535A1] 1. Motor bogie for a rail vehicle having two wheel sets (2; 3), each provided with an axle gear (8; 9) driven via cardan shafts, the bearing housings (6, 6'; 7, 7') of which wheel sets are provided with mechanical coupling devices (10; 11), the counter torque of the axle gear housings being absorbed by torque reaction bars (17, 17'; 18, 18') characterised by the combination of the following features, some of which are known per se, a) in that each axle gear housing (8 or 9, respectively) of the two wheel sets (2 or 3, respectively) is supported via two torque reaction bars (17 and 17' or 18 and 18', respectively), arranged in bogie longitudinal centre plane vertically one above the other and parallel or practically parallel to each other, on a component (15) of the coach body (14) dipped centrally into the space between the two wheel sets (2 and 3), b) the coach body component (15) is designed in the lower section as a hollow elongated box and has approximately in horizontal plane of the wheel set shafts (4 and 5) a passage way (16), arranged transverse to the bogie longitudinal centre plane, for the coupling elements of the wheel set bearing housings (6, 6' or 7, 7', respectively), c) in that, in each case, a bearing housing of one of the wheel sets, (2 or 3 respectively) is connected to the diagonally opposed bearing housing of the other wheel set (3 or 2, respectively) via a coupling rod (10 or 11, respectively), d) the two coupling rods (10 and 11) are designed to be rigid and are articulated at their ends on horizontal extensions of the wheel set bearing housings (6, 6' or 7, 7', respectively), and e) all articulation points (12, 12', 13, 13', 19, 19', 20, 20', 21, 21', 22, 22') of the coupling rods (10 and 11) and torque reaction bars (17, 17', 18, 18') are designed to be spacially moveable and flexible.

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IPC 8 full level
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CPC (source: EP)
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