Title (en)
IDLER WHEEL AXLE FOR RAIL VEHICLES

Title (de)
LOSRADACHSE FÜR SCHIENENFAHRZEUGE

Title (fr)
ESSIEU DE ROUES FOLLES POUR VEHICULES FERROVIAIRES

Publication
EP 1149009 B1 20040818 (DE)

Application
EP 00983133 A 20001115

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• EP 0011271 W 20001115

Abstract (en)
[origin: WO0138154A1] The invention relates to an idler wheel axle (1) with individually mounted wheels (10) for chassis of rail vehicles, comprising a wheel support frame (8) which encompasses the wheels (10) on the outside with side support limbs (12), each wheel (10) being rotationally mounted on the inside of the corresponding supporting limb (12) with a wheel mounting (32), on an axle stub (36) of the supporting limb (12), and each wheel (10) being connected to a shaft (16) on its inner side in such a way that their torques correspond, this shaft extending outwards through openings (11, 13) of the wheel (10) and the supporting limb (12). The wheel mounting (32) consists of two partial bearings (34a, 34b). The first partial bearing (34a) is located inside the opening (11) of the wheel (10) between the wheel (10) and the axle stub (36) of the supporting limb (12), while the second partial bearing (34b) is located inside the opening (13) of the supporting limb (12) between the supporting limb and the shaft (16), axially and radially offset from the first partial bearing.

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WO 0138154 A1 20010531; AT E273822 T1 20040915; AU 2000301 A 20010604; CZ 20012610 A3 20020116; CZ 293816 B6 20040818; DE 19956976 A1 20010531; DE 19956976 C2 20010906; DE 50007473 D1 20040923; EP 1149009 A1 20011031; EP 1149009 B1 20040818; PL 193486 B1 20070228; PL 349151 A1 20020701; US 2002083862 A1 20020704; US 6631936 B2 20031014

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