

Title (en)

INTEGRATED DRIVE ASSEMBLY FOR A RAIL VEHICLE

Title (de)

INTEGRIERTE ANTRIEBSANORDNUNG FÜR EIN SCHIENENFAHRZEUG

Title (fr)

ENSEMBLE D'ENTRAÎNEMENT INTÉGRÉ POUR UN VÉHICULE FERROVIAIRE

Publication

**EP 2686220 A1 20140122 (EN)**

Application

**EP 12709078 A 20120313**

Priority

- GB 201104405 A 20110315
- EP 2012054346 W 20120313

Abstract (en)

[origin: WO2012123438A1] An inboard bearing drive assembly for a rail vehicle chassis comprises an electric traction motor and gear train (50) mounted in an axle hung casing (51) with integral axle bearings (32, 33). The primary suspension (81, 82) is mounted on the casing and preferably offset from the wheelset axle, with the casing being restrained in rotation by a reaction link (40), conveniently coupled to the chassis. One or both axle bearings may be lubricated from the gearbox oil reservoir, and deformation of the casing may be accommodated by dissimilar axle bearings, wherein only one provides an axial restraint.

IPC 8 full level

**B61C 9/48** (2006.01); **B61C 9/50** (2006.01)

CPC (source: EP GB)

**B61C 9/48** (2013.01 - EP); **B61C 9/50** (2013.01 - EP GB)

Citation (search report)

See references of WO 2012123438A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**WO 2012123438 A1 20120920**; EP 2686220 A1 20140122; GB 201104405 D0 20110427; GB 2491334 A 20121205

DOCDB simple family (application)

**EP 2012054346 W 20120313**; EP 12709078 A 20120313; GB 201104405 A 20110315