

Title (en)

IMPACT PROTECTION FOR A RUNNING GEAR OF A RAIL VEHICLE

Title (de)

AUFPRALLSCHUTZ FÜR EIN FAHRWERK EINES SCHIENENFAHRZEUGS

Title (fr)

PROTECTION CONTRE LA COLLISION POUR UN TRAIN DE ROULEMENT D'UN VÉHICULE FERROVIAIRE

Publication

EP 2517944 A2 20121031 (EN)

Application

EP 12172761 A 20100323

Priority

- EP 12172761 A 20100323
- EP 10157308 A 20100323

Abstract (en)

The invention relates to a running gear for a rail vehicle, in particular a high speed rail vehicle, comprising a wheel set (105), a running gear frame (104) and a shielding device (109), the running gear frame (104) being supported on the wheel set (105). The shielding device (109) is connected to the running gear frame (104) via a support structure (108) and is spatially associated to at least a shielded component (107) of the running gear (103). The shielding device (109) shields a shielded part (107.1) of the shielded component (107) against impacts of objects (B), in particular pieces of ballast, lifted from a track (T) used during operation of the vehicle. The shielding device (109) and/or the support structure (108) comprises an impact energy absorbing device (109.2, 109.3, 110), the impact energy absorbing device (109.2, 109.3, 110) being adapted to absorb a noticeable fraction of an impact energy of one of the objects (B) hitting the shielding device (109).

IPC 8 full level

B61F 19/06 (2006.01)

CPC (source: EP)

B61F 19/06 (2013.01)

Citation (applicant)

- US 7605690 B2 20091020 - SCHROEDER-BODENSTEIN KASPAR [DE]
- WO 2006021514 A1 20060302 - SIEMENS AG [DE], et al

Cited by

EP2910449A1; CN106627647A; DE102014209956A1; US9469314B2

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

EP 2368781 A1 20110928; EP 2368781 B1 20131002; EP 2517944 A2 20121031; EP 2517944 A3 20130227; EP 2517944 B1 20170503; ES 1076280 U 20120222; ES 1076280 Y 20120523; ES 2441122 T3 20140131; ES 2627088 T3 20170726; PL 2368781 T3 20140331; PL 2517944 T3 20171031

DOCDB simple family (application)

EP 10157308 A 20100323; EP 12172761 A 20100323; ES 10157308 T 20100323; ES 12172761 T 20100323; ES 201130313 U 20110323; PL 10157308 T 20100323; PL 12172761 T 20100323