

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 2368781 B1 20131002 (EN)**

Application

**EP 10157308 A 20100323**

Priority

EP 10157308 A 20100323

Abstract (en)

[origin: EP2368781A1] 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)

Cited by

DE102015203026A1; EP3109124A1; US2015232107A1; US9469314B2; US10478744B2; WO2024023170A1

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