

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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