

Title (en)

SAFETY DEVICE FOR RAIL VEHICLES

Title (de)

SICHERHEITSVORRICHTUNG FÜR SCHIENENFAHRZEUGE

Title (fr)

DISPOSITIF DE SÉCURITÉ POUR VÉHICULES FERROVIAIRES

Publication

EP 2969700 B1 20170222 (DE)

Application

EP 14711469 A 20140312

Priority

- DE 102013204555 A 20130315
- EP 2014054790 W 20140312

Abstract (en)

[origin: WO2014140074A1] The invention relates to a safety device for protecting persons, said device being arranged below the car body of a vehicle, in particular a rail vehicle, preferably a low-platform rail vehicle. The device comprises two functional elements which can interact with each other and which are arranged in a horizontal position and transversely to the travel path in the rest position. The invention further relates to a rail vehicle which is equipped with such a safety device and to a method for protecting persons after a vehicle impact.

IPC 8 full level

B61F 19/04 (2006.01)

CPC (source: CN EP RU)

B61F 19/04 (2013.01 - CN EP RU)

Citation (examination)

JP 2006273137 A 20061012 - TOYODA GOSEI KK

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 2014140074 A1 20140918; WO 2014140074 A8 20151029; AU 2014230813 A1 20150910; AU 2014230813 B2 20170907; CA 2901878 A1 20140918; CA 2901878 C 20210126; CN 105008206 A 20151028; CN 105008206 B 20191025; DE 102013204555 A1 20141002; EP 2969700 A1 20160120; EP 2969700 B1 20170222; ES 2622159 T3 20170705; PL 2969700 T3 20170831; RU 2015144102 A 20170424; RU 2643859 C2 20180206

DOCDB simple family (application)

EP 2014054790 W 20140312; AU 2014230813 A 20140312; CA 2901878 A 20140312; CN 201480011418 A 20140312; DE 102013204555 A 20130315; EP 14711469 A 20140312; ES 14711469 T 20140312; PL 14711469 T 20140312; RU 2015144102 A 20140312