

Title (en)

Energy dissipating device and multi-car vehicle having such an energy dissipating device

Title (de)

Energieverzehrvorrichtung und Fahrzeug mit mehreren Wagen mit solch einer Energieverzehrvorrichtung

Title (fr)

Dispositif de dissipation d'énergie et véhicule à plusieurs voitures comportant un tel dispositif

Publication

EP 2977289 A1 20160127 (EN)

Application

EP 14003502 A 20141013

Priority

- EP 14002551 A 20140723
- EP 14003502 A 20141013

Abstract (en)

The invention relates to an energy dissipating device suitable to dissipate energy while a first part (1) of a car of a multi-car vehicle moves relative to a second part (2) of the car, the energy dissipating device comprising a first part and a second part, the first part being arranged to move relative to the second part, if a force of a predetermined magnitude is applied to the first part, the second part comprising a knife (3) that is arranged such that they cut into a first surface (4) of the first part as the first part moves relative to the second part, wherein the first part has a second surface (5) that is separate from the first surface and arranged in such a manner that the knife cuts into the second surface after having cut the first surface, if the force is continued to be applied to the first part.

IPC 8 full level

B61G 11/16 (2006.01)

CPC (source: EP)

B61G 11/16 (2013.01)

Citation (applicant)

- WO 2009072843 A2 20090611 - KOREA RAILROAD RES INST [KR], et al
- PL 202114 B1 20090630 - AXSTONE SPO & LSTROK KA AKCYJNA [PL]

Citation (search report)

- [A] US 2013270210 A1 20131017 - KUKULSKI JAN [PL], et al
- [AD] WO 2009072843 A2 20090611 - KOREA RAILROAD RES INST [KR], et al
- [AD] PL 202114 B1 20090630 - AXSTONE SPO & LSTROK KA AKCYJNA [PL]
- [A] EP 2554452 A1 20130206 - EGO INT BV [BE]

Cited by

WO2018215493A1; CN110539773A; RU187656U1; DE102018113349A1; CN110891843A; RU2758154C2; US11230304B2

Designated contracting state (EPC)

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Designated extension state (EPC)

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