

Title (en)  
Impact attenuator

Title (de)  
Aufpralldämpfer

Title (fr)  
Amortisseur d'impact

Publication  
**EP 2418325 A2 20120215 (EN)**

Application  
**EP 11175519 A 20110727**

Priority  
KR 20100077206 A 20100811

Abstract (en)  
An impact attenuator includes: a plurality of support frames installed in a row at an interval, each support frame having first and second horizontal beams, a reinforcing member installed between the first and second horizontal beams, and at least one wire clip installed under the first horizontal beam; a rear support integrally formed with one of the support frames and having a vertical beam; a plurality of guard rail connecting units, each guard rail connecting unit including guard rails installed on opposite sides of each of the support frames and a fixing member for movably installing the guard rails; and an absorbing tank including a front tank installed on a front surface of one of the support frames and a plurality of cushion tanks installed between the support frames, wherein a wire rope connects the support frames and the rear support to guide linear movements of the support frames.

IPC 8 full level  
**E01F 15/14** (2006.01)

CPC (source: EP)  
**E01F 15/146** (2013.01)

Cited by  
US11692604B2; CN106758978A; EP2685003A3; RU2633599C1; US11453988B2; US2015259866A1; US10060154B2; GB2542276B; WO2017222412A1

Designated contracting state (EPC)  
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Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2418325 A2 20120215; EP 2418325 A3 20150603**; CN 103069078 A 20130424; CN 103069078 B 20160817; JP 2013535601 A 20130912; JP 5592013 B2 20140917; KR 101150938 B1 20120529; KR 20120015020 A 20120221; WO 2012020975 A2 20120216; WO 2012020975 A3 20120510

DOCDB simple family (application)  
**EP 11175519 A 20110727**; CN 201180039896 A 20110810; JP 2013524036 A 20110810; KR 20100077206 A 20100811; KR 2011005816 W 20110810