

Title (en)  
Impact damper on roadways

Title (de)  
Anpralldämpfer an Verkehrswegen

Title (fr)  
Amortisseur de choc sur voies de circulation

Publication  
**EP 2148009 B1 20160330 (DE)**

Application  
**EP 09165767 A 20090717**

Priority  
DE 102008034980 A 20080725

Abstract (en)  
[origin: EP2148009A2] The damper has a middle region lying between a head region and an end region, where energy degradation capacity in the end region is smaller than in the middle region. An energy degradation capacity in the middle region is constant. Deformable energy converting cells are arranged in series and include partially different energy degradation capacities below each other. One of the cells is designed as a tubular cylinder, and is filled with an energy degradation material at different filling heights. The cells are provided with reinforced structure elements.

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

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

Cited by  
CN113699939A; CN114687309A; ITMI20100733A1; EP2383391A3; WO2022062876A1

Designated contracting state (EPC)  
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 SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2148009 A2 20100127; EP 2148009 A3 20130911; EP 2148009 B1 20160330**; DE 102008034980 A1 20100204; PL 2148009 T3 20160831

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