

Title (en)
Buffer for a railway vehicle

Title (de)
Stoßeinrichtung für ein Schienenfahrzeug

Title (fr)
Tampon pour un véhicule ferroviaire

Publication
EP 2193970 A3 20110601 (DE)

Application
EP 09173599 A 20091021

Priority
DE 102008059913 A 20081202

Abstract (en)
[origin: EP2193970A2] The device (1) has a bluff body (4) provided with a bluff surface (5) that is turned away from a rail-mounted vehicle (2). The bluff body comprises an override protection device (3) and a support structure (6) that connects the bluff body with a front-side end (2') of the rail-mounted vehicle. The bluff surface is formed from multiple projections (7a-7f) whose front ends are arranged on a concave line (X) and/or area and turned away from the rail-mounted vehicle. The projections are arranged on a flat base plate (8) that is vertically arranged.

IPC 8 full level
B61D 15/06 (2006.01); **B61G 11/18** (2006.01)

CPC (source: EP)
B61D 15/06 (2013.01); **B61G 11/18** (2013.01)

Citation (search report)

- [E] EP 2163454 A1 20100317 - VOSSLOH LOCOMOTIVES GMBH [DE]
- [A] WO 2006024059 A2 20060309 - SIEMENS TRANSPORTATION SYSTEMS [AT], et al
- [A] EP 1215098 A1 20020619 - ALSTOM [FR]
- [A] WO 2008092718 A1 20080807 - BOMBARDIER TRANSP GMBH [DE], et al

Cited by
EP2551170A1; EP2727792A1

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

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2193970 A2 20100609; EP 2193970 A3 20110601; EP 2193970 B1 20130313; DE 102008059913 A1 20100617;
DE 102008059913 B4 20151217; ES 2405804 T3 20130603; PL 2193970 T3 20130830

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