

Title (en)
TUBE-BUFFER FOR RAILWAY VEHICLES

Title (de)
ROHRPUFFER FÜR EISENBAHNWAGEN

Title (fr)
TAMPON TUBULAIRE POUR VÉHICULES FERROVIAIRES

Publication
EP 2227410 A4 20130313 (EN)

Application
EP 08857906 A 20081205

Priority

- KR 2008007222 W 20081205
- KR 20070126334 A 20071206
- KR 20070126361 A 20071206

Abstract (en)
[origin: WO2009072843A2] Disclosed herein is a tube buffer for railway vehicles, installed to the fore of a railway vehicle to absorb impact energy generated in the event of a collision of the railway vehicle. The die of the tube buffer expands a tube by impact energy, and simultaneously the blades of the die cut the expanded tube, so that the efficiency of absorbing impact energy is excellent and a small installation space is required. Further, a stabilizer provided on the tube buffer absorbs stage conversion impact generated when an impact energy absorbing stage is converted into a subsequent impact energy absorbing stage while the tube buffer absorbs impact energy in several stages, thus allowing the impact energy to be smoothly absorbed, therefore protecting drivers and passengers in case of an accident, and preventing a railway vehicle structure from being broken or damaged.

IPC 8 full level
B61G 11/14 (2006.01); **B61G 11/16** (2006.01)

CPC (source: EP)
B61D 17/06 (2013.01); **B61G 11/16** (2013.01)

Citation (search report)

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- [X] GB 1275035 A 19720524 - SCHARFENBERGKUPPLUNG GMBH [DE]
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- [A] WO 0039479 A1 20000706 - ENERGY ABSORPTION SYSTEM [US]
- See references of WO 2009072843A2

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 MT NL NO PL PT RO SE SI SK TR

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