

Title (en)

Tuned absorbers for railway rails

Title (de)

Abgestimmtes Dämpferelement für Eisenbahnschienen

Title (fr)

Amortisseurs accordés pour rail de chemin de fer

Publication

EP 1657362 A1 20060517 (EN)

Application

EP 06001300 A 20040701

Priority

- EP 04743144 A 20040701
- GB 0316307 A 20030711

Abstract (en)

An assembly for mounting tuned absorbers on a railway rail, in which the tuned absorbers each comprise a member (51) of elastomeric material containing at least one active mass (52), of material denser than said elastomeric material, the tuned absorbers (51) being arranged on each side of the web of the rail such that the head of the rail contacts the tuned absorbers (51), comprises a pair of brackets (53) arranged for applying a lateral clamping force to respective ones of the tuned absorbers (51), whereby the rail is suspended above a rail foundation.

IPC 8 full level

E01B 9/62 (2006.01); **E01B 19/00** (2006.01)

CPC (source: EP)

E01B 9/60 (2013.01); **E01B 9/62** (2013.01); **E01B 19/003** (2013.01)

Citation (applicant)

- EP 0628660 A1 19941214 - EDILON BV [NL]
- WO 9915732 A1 19990401 - BRITISH STEEL PLC [GB], et al
- EP 0758418 B1 19980527 - PANDROL LTD [GB], et al

Citation (search report)

- [X] DE 19646132 A1 19980514 - ORTWEIN HERMANN [DE]
- [A] EP 0758418 A1 19970219 - PANDROL LTD [GB], et al

Citation (examination)

US 6402044 B1 20020611 - SATO SHOZABURO [JP]

Citation (third parties)

Third party :

- WO 9821411 A1 19980522 - ORTWEIN HERMANN [DE]
- WO 9627709 A1 19960912 - PANDROL LTD [GB], et al
- EP 0628660 A1 19941214 - EDILON BV [NL]
- WO 9915732 A1 19990401 - BRITISH STEEL PLC [GB], et al
- WO 9711288 A1 19970327 - UNIV SOUTHAMPTON [GB], et al
- DE 4036124 A1 19920430 - SCHWARTZ HEINZ [DE]
- DE 4000992 A1 19910718 - PHOENIX AG [DE]
- EP 0150264 A1 19850807 - HOESCH AG [DE]
- EP 1186710 A2 20020313 - RESCH JOHANN [DE]
- DE 3939215 A1 19910529 - SCHWARTZ HEINZ [DE]
- US 6402044 B1 20020611 - SATO SHOZABURO [JP]
- EP 0758418 A1 19970219 - PANDROL LTD [GB], et al
- "Rail transport", WIKIPEDIA, THE FREE ENCYCLOPEDIA, pages 1 - 16, XP003027686, Retrieved from the Internet <URL:http://en.wikipedia.org/wiki/Rail_transport> [retrieved on 20121023]

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EP3190229A1; US10487456B2; WO2021073963A1; US12091822B2

Designated contracting state (EPC)

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GB 0316307 A 20030711; CN 200480019707 A 20040701; CN 200710109220 A 20040701; EP 04743144 A 20040701; EP 06001300 A 20040701; GB 2004002796 W 20040701