

Title (en)

Sound absorption for railway rails

Title (de)

Schallabsorber für Eisenbahnschienen

Title (fr)

Absorbeur de bruit pour rails d'une voie ferrée

Publication

EP 0761879 B1 20000628 (FR)

Application

EP 96401872 A 19960902

Priority

FR 9510430 A 19950906

Abstract (en)

[origin: EP0761879A1] The absorber is attached to sleepers resting on ballast, consisting of a cylindrical metal active weight (12) which is connected to the foot (7) of the rail via a resilient outer covering (14) and a support (22). The resilient covering is made from a plastomer or elastomer material, continuous or in regularly-spaced rings, located between the outer surface of the weight and the inner surface of a channel in the support. The channel in the support is connected to its outer face by a slit (24) which can be closed by screws (25) which allow the noise absorber to be fixed in place and its resonance frequency to be adjusted. Two noise absorbers can be mounted on opposite sides of a rail or both on the same side of it.

IPC 1-7

E01B 19/00

IPC 8 full level

E01B 19/00 (2006.01)

CPC (source: EP)

E01B 19/003 (2013.01)

Cited by

EP1197598A1; BE1013746A3; GB2421265A; GB2399123A; GB2399123B; GB2404942A; EP2207934A4; AU2008324609B2; EP4143382A4; US6390382B1; WO2009059512A1; WO9915732A1; WO2005012641A1; WO2022100553A1

Designated contracting state (EPC)

BE DE ES GB IT NL SE

DOCDB simple family (publication)

EP 0761879 A1 19970312; EP 0761879 B1 20000628; DE 69609025 D1 20000803; DE 69609025 T2 20010308; FR 2738263 A1 19970307; FR 2738263 B1 19971031

DOCDB simple family (application)

EP 96401872 A 19960902; DE 69609025 T 19960902; FR 9510430 A 19950906