

Title (en)

Sound absorber for ballastless railway superstructure

Title (de)

Schallabsorber für einen schotterlosen Eisenbahnoberbau

Title (fr)

Absorbeur de bruit pour la superstructure d'une voie ferrée sans ballast

Publication

EP 0767275 B1 20000322 (DE)

Application

EP 96116035 A 19961007

Priority

DE 29515935 U 19951007

Abstract (en)

[origin: EP0767275A1] The absorber consists of two formed bodies with sound-absorbent characteristics, located between and next to the rails. The formed bodies (1) consist of a water-impermeable bearing concrete layer (9) and a sound-absorbent layer (10) above it. This consists of bonded macropore bulk material. A large number of vertical drainage passages (14) pass through one or both layers. The formed bodies are elastically borne on the ground plate (2). The elastic bearing can consists of strips (8) etc. of elastic synthetic material, located between formed bodies and plate, esp. of neoprene, or of felt. The sound-absorbent layer may have inclined cross channels in the top.

IPC 1-7

E01B 19/00

IPC 8 full level

E01B 1/00 (2006.01); **E01B 2/00** (2006.01); **E01B 19/00** (2006.01); **G10K 11/16** (2006.01)

CPC (source: EP)

E01B 1/002 (2013.01); **E01B 1/008** (2013.01); **E01B 2/00** (2013.01); **E01B 19/003** (2013.01); **G10K 11/16** (2013.01); **E01B 2204/09** (2013.01); **E01B 2204/11** (2013.01)

Cited by

AT407062B; CN113136745A; AU738889B2; EP4303362A1; JP2013036301A

Designated contracting state (EPC)

AT BE DE FR LU NL

DOCDB simple family (publication)

EP 0767275 A1 19970409; **EP 0767275 B1 20000322**; AT E191028 T1 20000415; DE 29515935 U1 19951130; DE 59604746 D1 20000427

DOCDB simple family (application)

EP 96116035 A 19961007; AT 96116035 T 19961007; DE 29515935 U 19951007; DE 59604746 T 19961007