

Title (en)

Soundproof ballastless railway track superstructure and sound absorption element

Title (de)

Schallgedämmter, schotterloser Gleisoberbau sowie Schallabsorptionselement

Title (fr)

Superstructure insonorisée de voie ferrée sans ballast et élément d'absorption acoustique

Publication

**EP 1170419 A2 20020109 (DE)**

Application

**EP 01116434 A 20010706**

Priority

DE 10033000 A 20000706

Abstract (en)

Sound-absorbing ballast-free railway track for rail vehicles comprises a supporting layer holding tracks (4) and covered with weather-resistant sound-absorbing elements (6, 7) at least in the region of the tracks. The sound-absorbing elements have rounded contours at least in the region of their surfaces (10, 11) facing, especially perpendicular to the longitudinal direction of the track. Sound-absorbing elements which are adjacent to or arranged behind each other are joined together. An Independent claim is also included for a sound-absorbing element for inserting in ballast-free railway tracks. Preferred Features: The opposite-lying, especially side surfaces of the individual sound-absorbing elements are provided with concave and convex contours. The rounded contours are essentially parallel.

Abstract (de)

Schallgedämmter schotterloser Gleisoberbau für Schienenfahrzeuge mit einer Fahrschienen aufnehmenden Tragschicht, die zumindest im Bereich der Fahrschienen mit witterungsbeständigen Schallabsorptionselementen (6,7) belegt ist, wobei die Schallabsorptionselemente zumindest im Bereich ihrer einander zugewandten, insbesondere quer zur Schienenlängsrichtung verlaufenden Flächen gerundete Konturen aufweisen und, daß neben- und/oder hintereinander angeordnete Schallabsorptionselemente miteinander verbunden sind. <IMAGE>

IPC 1-7

**E01B 19/00**

IPC 8 full level

**E01B 19/00** (2006.01)

CPC (source: EP)

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