

Title (en)  
DAMPING SECTION FOR CHANNEL RAILS

Title (de)  
DÄMPFUNGSPROFIL FÜR RILLENSCHIENEN

Title (fr)  
PROFILE D'AMORTISSEMENT POUR RAILS A GORGE

Publication  
**EP 1206599 B1 20050413 (DE)**

Application  
**EP 00965874 A 20000814**

Priority  
• DE 19939838 A 19990821  
• EP 0007894 W 20000814

Abstract (en)  
[origin: WO0114642A1] The invention relates to a rail assembly provided with a rail (5), in particular, a channel rail, with damping sections (1) and (2) which act on both sides of the rail (5) when in a working position. The spaces around the rail (3, 4) are partially filled by the damping sections and an area (12) of each damping section (1, 2) is located on, or can be applied to the corresponding underside (6, 7) of the rail head (8). Said area (12) stretches elastically in a vertical direction and gives against a restoring force. This configuration allows the rail (5) to be displaced vertically when subjected to stress, without being hindered by parts of a supporting layer (16) of a road section (15) which penetrate the spaces around the rail (3, 4) and without having a detrimental effect on, or destroying said supporting layers (16). Said rail assembly also provides good soundproofing and electric insulation.

IPC 1-7  
**E01B 19/00**; **E01B 21/00**

IPC 8 full level  
**E01B 19/00** (2006.01); **E01B 21/00** (2006.01)

CPC (source: EP)  
**E01B 19/003** (2013.01); **E01B 21/00** (2013.01); **E01B 2204/11** (2013.01)

Cited by  
DE102016114172A1; WO2018024502A1; EP3556938A1; DE102018109255A1; EP3954827A1; DE102020121136A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 0114642 A1 20010301**; AT E293186 T1 20050415; CZ 2002206 A3 20020612; CZ 297844 B6 20070411; DE 19939838 A1 20010222; DE 50010053 D1 20050519; EP 1206599 A1 20020522; EP 1206599 B1 20050413; EP 1206599 B8 20050608; ES 2240170 T3 20051016; HU 223616 B1 20041028; HU P0203235 A2 20030128; PL 207332 B1 20101231; PL 363226 A1 20041115; PT 1206599 E 20050831

DOCDB simple family (application)  
**EP 0007894 W 20000814**; AT 00965874 T 20000814; CZ 2002206 A 20000814; DE 19939838 A 19990821; DE 50010053 T 20000814; EP 00965874 A 20000814; ES 00965874 T 20000814; HU P0203235 A 20000814; PL 36322600 A 20000814; PT 00965874 T 20000814