

Title (en)  
SOUND PROTECTION DEVICE

Title (de)  
SCHALLSCHUTZVORRICHTUNG

Title (fr)  
DISPOSITIF D'INSONORISATION

Publication  
**EP 0964960 B1 20011017 (DE)**

Application  
**EP 98909347 A 19980209**

Priority  
• DE 9800335 W 19980209  
• DE 19706559 A 19970219

Abstract (en)  
[origin: WO9837276A1] The invention relates to a sound protection device for reducing the propagation of airborne sound, comprising a track system and an elastically deformable, low sound-protecting wall (5) made of rubber or plastic and extending in the longitudinal direction of the track. Said sound-protecting wall is arranged at a distance to the track (1) and on the side facing the track (inner side, 6) has a profile which essentially extends across the entire height of the wall. The side of the protecting wall facing away from the track (outer side, 7) has a generally even surface. According to the invention, the inner side (6) is inclined at an angle alpha and the outer side (7) at an angle beta to the track (1), whereby angle beta is greater than angle alpha . The profile of the inner side (6) consists of a system of lips (8), which lips point towards the floor (4) of the track at an angle gamma . The top of the low sound-protecting wall (5) ends in a lip (9) inclined towards the track (1), which lip points upwards at an angle delta . In addition, the low sound-protecting wall (5) comprises at least one hollow chamber (10) extending in the longitudinal direction of the track.

IPC 1-7  
**E01F 8/00**

IPC 8 full level  
**E01F 8/00** (2006.01)

CPC (source: EP US)  
**E01F 8/0058** (2013.01 - EP US); **E01F 8/0082** (2013.01 - EP US)

Cited by  
DE102008002836A1

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

DOCDB simple family (publication)  
**WO 9837276 A1 19980827**; AT E207165 T1 20011115; AU 6391998 A 19980909; DE 19804862 A1 19981008; DE 59801769 D1 20011122; EP 0964960 A1 19991222; EP 0964960 B1 20011017; ES 2165673 T3 20020316; US 6112849 A 20000905

DOCDB simple family (application)  
**DE 9800335 W 19980209**; AT 98909347 T 19980209; AU 6391998 A 19980209; DE 19804862 A 19980209; DE 59801769 T 19980209; EP 98909347 A 19980209; ES 98909347 T 19980209; US 34115899 A 19990702