

Title (en)
Panel for a noise barrier system

Title (de)
Lärmschutzwandelement

Title (fr)
Caisson anti-brut absorbant

Publication
EP 1479825 A1 20041124 (DE)

Application
EP 03011426 A 20030520

Priority
EP 03011426 A 20030520

Abstract (en)
Noise-protection wall element (1) has a multi-layered construction consisting of a one- or two-sided plate cover (2, 7), an absorption layer, and an airborne noise-insulation plate (6). The absorption layer has a multi-layered construction consisting of at least two absorption layers (3-5) with different densities. The density increases toward the side facing away from the noise. Preferred Features: The absorption layer has a three-layered construction consisting of layers with different bulk densities. The absorption layers are made of fibrous insulating materials, especially mineral wool with different densities.

Abstract (de)
Lärmschutzwandelement mit einem mehrschichtigen Aufbau aus einer ein- oder zweiseitigen Blechabdeckung (2, 7), einer Absorptionsschicht und einer Luftschalldämmplatte (6), wobei die Absorptionsschicht einen mehrlagigen Aufbau aus wenigstens zwei Absorptionslagen (4, 5, 6) unterschiedlicher Dichte aufweist, wobei die Dichte der Absorptionslagen zu der vom Schall abgewandten Seite hin zunimmt. <IMAGE>

IPC 1-7
E01F 8/00

IPC 8 full level
E01F 8/00 (2006.01)

CPC (source: EP)
E01F 8/007 (2013.01)

Citation (search report)
• [XY] US 4838524 A 19890613 - MCKEOWN PATRICK D [US], et al
• [YA] DE 19839823 A1 19990304 - OESTERR BUNDESBAHNEN [AT]
• [A] CH 672932 A5 19900115 - MONTANA STAHL AG
• [Y] DE 3009082 A1 19810917 - BERTRAMS AG [DE]
• [A] WO 0134913 A1 20010517 - GRZELSKI MACIEJ [PL]

Cited by
EP1770216A1; WO2007036231A1; WO2009153230A1; US8539733B2; US8863463B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

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