

Title (en)
Sound absorbing wall.

Title (de)
Lärmschutzwand.

Title (fr)
Mur anti-bruit.

Publication
EP 0467476 B1 19950215 (EN)

Application
EP 91201879 A 19910716

Priority
• NL 9001615 A 19900716
• NL 9002315 A 19901023
• NL 9002500 A 19901115

Abstract (en)
[origin: EP0467476A1] Sound absorbing wall for absorbing and screening traffic noise comprising a layer of open-cell material facing towards the traffic noise source and having a relief for enlarging of the surface for radiating; behind which is disposed a plurality of resonance chambers of Helmholtz air body resonators provided with sound absorbing material (16), wherein the wall comprises at least one layer of sufficient mass to prevent the sound passing through the screen, wherein the absorption characteristic of the open-cell material is adapted to absorbing the sound with high frequencies and the absorption characteristic of the Helmholtz air body resonators is adapted to absorbing the sound with low frequencies, and wherein both absorption characteristics together have a satisfactory absorption coefficient over a substantially continuous sound band substantially covering the traffic noise of heavy and light vehicles. <IMAGE>

IPC 1-7
E01F 8/00

IPC 8 full level
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CPC (source: EP)
E01F 8/0082 (2013.01)

Cited by
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EP 0467476 A1 19920122; EP 0467476 B1 19950215; AT E118573 T1 19950315; DE 69107358 D1 19950323; DE 69107358 T2 19950614; DK 0467476 T3 19950501; ES 2068484 T3 19950416; GR 3015877 T3 19950731; NL 9001615 A 19920217; NL 9002315 A 19920217; NL 9002500 A 19920217

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