

Title (en)  
Sound absorbing wall.

Title (de)  
Lärmschutzwand.

Title (fr)  
Mur anti-bruit.

Publication  
**EP 0467476 A1 19920122 (EN)**

Application  
**EP 91201879 A 19910716**

Priority  
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• NL 9002315 A 19901023  
• NL 9002500 A 19901115

Abstract (en)  
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)

Citation (search report)  
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