Title (en)

Noise reduction wall

Title (de)

Schallschutzwand

Title (fr)

Mur anti-bruit

Publication

EP 0648897 B1 19990324 (FR)

Application

EP 94402313 A 19941014

Priority

FR 9312219 A 19931014

Abstract (en)

[origin: EP0648897A1] The invention relates to a noise reduction wall intended to attenuate the perception of a noise source in a region to be protected, composed: (a) of acoustic absorption elements consisting of panels (29) made of an absorbent material, each of the said absorbent panels (29) being associated with a rigid support (30), and (b) of a bearing structure (16) supporting the said elements and consisting of a plurality of posts (16) arranged at substantially regular intervals along a line substantially parallel to the traffic lane (track) (12) to be insulated, each of the said posts being provided with fasteners (37) which support the said panels (29) and of which the height position on the post (16) is adjustable, the said wall rising at the edge of the traffic lane (12) to a height H greater than the distance h separating the noise source (13) from the ground (2) in which it is implanted. The noise reduction wall of the aforementioned type is characterised in that the rigid support (30) associated with each panel (29) consists of a section which comprises a plane web (34) provided with a loop along each of its horizontal longitudinal edges, the upper loop (35) of the support (30) of each panel (29) being capable of cooperating by engagement, by horizontal longitudinal displacement, with the lower loop (36) of the support (30) of the panel or panels (29) at the higher level. Application in particular to eliminating noise beside railway tracks or road traffic lanes. <IMAGE>

IPC 1-7

E01F 8/00

IPC 8 full level

E01F 8/00 (2006.01)

CPC (source: EP)

E01F 8/0011 (2013.01); **E01F 8/0029** (2013.01)

Cited by

CN114164777A; ES2145704A1; EP1122362A1; LU90325B1; WO9964682A1; WO9958765A1; WO0032876A1

Designated contracting state (EPC)

BE DE ES FR GB IT LU NL

DOCDB simple family (publication)

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